

COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY

An International Journal

EDITOR: G. A. KERKUT (*Southampton*)

VOLUMES 71-73 A, B and C, 1982
Author and Subject Indexes



PERGAMON PRESS

OXFORD • NEW YORK • TORONTO • SYDNEY
PARIS • FRANKFURT

Comparative Biochemistry and Physiology

Editor

Professor G. A. KERKUT, Department of Physiology and Biochemistry, University of Southampton, Southampton SO9 3TU, England (Executive Editor). Tel.: (0703) 559122

Members of the Honorary Editorial Advisory Board

T. H. BULLOCK (La Jolla)	H. S. MASON (Portland)
C. B. COWEY (Aberdeen)	C. L. PROSSER (Urbana)
R. FÄNGE (Göteborg)	J. ROCHE (Paris)
E. FLOREY (Konstanz)	B. T. SCHEER (Santa Barbara)
W. S. HOAR (Vancouver)	C. A. VILLEE (Massachusetts)
H. KINOSITA (Saitama)	G. WALD (Harvard)
E. KREPS (Leningrad)	J. H. WELSH (Maine)
O. LOWENSTEIN (Birmingham)	
C. MANWELL (Adelaide)	

Publishing, Subscription and Advertising Offices: Pergamon Press Ltd, Headington Hill Hall, Oxford OX3 0BW, England (Tel. Oxford 64881).

North America: Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, U.S.A.

Annual Subscription Rates 1983/84 (including postage and insurance)

For libraries, research establishments and all other multiple-reader institutions: combined subscriptions; 1-yr \$1300.00; 2-yr \$2470.00. Part A, Comparative Physiology \$575.00; Part B, Comparative Biochemistry \$575.00; Part C, Comparative Pharmacology and Toxicology \$300.00. (2-yr subscription rates: Part A \$1092.50, Part B \$1092.50, Part C \$570.00.)

Specially Reduced Rates to Individuals

In the interests of maximizing the dissemination of the research results published in this important international journal we have established a two-tier price structure. Any individual whose institution takes out a library subscription may purchase a second or additional subscription for personal use at the much reduced rate of \$80.00 per annum (combined subscription). Part A, Comparative Physiology \$55; Part B, Comparative Biochemistry \$55; Part C, Comparative Pharmacology and Toxicology \$45. Parts A and B: Three volumes of each part per year, four issues per volume (Part A—1st of the month; Part B—15th of the month). Part C: Three volumes per year, two issues per volume (commencing Vol. 50, No. 1, 1975).

Microform Subscriptions and Back Issues

Back issues of all previously published volumes are available in the regular editions and on microfilm and microfiche. Current subscriptions are available on microfiche simultaneously with the paper edition and on microfilm on completion of the annual index at the end of the subscription year.

Copyright © 1983 Pergamon Press Ltd

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher, if and when the article is accepted for publication. However, assignment of copyright is not required from authors who work for organizations which do not permit such assignment. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

U.S. Copyright Law applicable to users in the U.S.A.

The Article Fee Code on the first page of an article in this journal indicates the copyright owner's consent that in the U.S.A., copies may be made for personal or internal use, provided the stated fee for copying beyond that permitted by Section 107 or 108 of the United States Copyright Law is paid. The appropriate remittance should be forwarded with a copy of the first page of the article to the Copyright Clearance Center Inc., 21 Congress Street, Salem, MA 01970. If a code does not appear, copies of the article may be made without charge, provided permission is obtained from the publisher. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works or for resale. Specific written permission must be obtained from the publisher for such copying. In case of doubt please contact your nearest Pergamon office.

PERGAMON PRESS

HEADINGTON HILL HALL, OXFORD OX3 0BW, ENGLAND
MAXWELL HOUSE, FAIRVIEW PARK, ELMSFORD, NY 10523, U.S.A.

AUTHOR INDEX

Volumes 71-73 A, B and C inclusive, 1982

- | | | |
|------------------------------------|---------------------------------------|-----------------------------|
| Aarset, A. V. 73A, 571 | Abe, H. 72C, 171 | Abu-Rabiya, U. 73A, 181 |
| Ackerman, R. A. 72A, 29 | Adams, E. 72A, 73 | Adang, M. J. 73B, 645 |
| Addison, A. W. 72B, 433 | Addison, R. F. 73C, 457 | Adeniyi, F. A. 72B, 221 |
| Afek, A. B. 73C, 57 | Afiyatullof, Sh. Sh. 73C, 41 | Agudelo, M. I. 72A, 161 |
| Aguilera, J. A. 71B, 617, 743 | Ahmed, A. E. 72C, 101 | Aikawa, M. 73A, 455 |
| Aikawa, T. 72A, 571 | Aimar, C. 71A, 11 | Aisa, E. 71C, 119; 72B, 141 |
| Aisa, M. C. 72B, 141, 325 | Akaike, N. 72C, 387, 403 | Akanji, M. A. 73C, 109 |
| Akberali, H. B. 72C, 149; 73C, 395 | Alani, E. 73B, 915 | Akin, J. R. 72A, 267 |
| Alahiotis, S. N. 73B, 529 | Albert, S. G. 72B, 605 | Al-Awadi, F. M. 71B, 605 |
| Al-Badry, K. S. 72A, 541 | | Alcaide, A. 72B, 673 |
| Aleman, M. 72B, 439; 73A, 101, 301 | | Al-Izzi, M. A. J. 71B, 637; |
| 72B, 153 | Alkon, D. L. 73A, 151 | Allan, D. 73A, 383 |
| Allen, W. V. 71B, 201 | Alleva, J. J. 73C, 383 | Altrup, U. 72A, 643 |
| Ambrosini, M. V. 72B, 141 | Amthauer, R. 72B, 31 | Amuro, N. 72B, 637 |
| Andersen, K-J. 72A, 313 | Andersen, R. A. 71C, 27 | Anderson, D. G. 73B, 617 |
| Anderson, O. D. 72B, 569 | Andrews, R. V. 71C, 111 | Angluster, J. 73B, 351 |
| Anismov, M. M. 73C, 41 | Antonellis, B. 73B, 791 | Antonov, A. S. 73C, 41 |
| Aprahamian, S. A. 71B, 577 | Arad, Z. 72A, 179, 185, 191; 73A, 297 | |
| Aragones, M. D. 71B, 301 | Arce, V. 71B, 617, 743 | Arias, I. M. 73B, 651 |
| Arillo, A. 73C, 161 | Ariyoshi, Y. 72C, 225 | Armitage, K. B. 71A, 137; |
| 73A, 63 | Armitage, M. E. 72A, 627 | Arsanian, M. J. 71B, 577 |
| Asche, W. 73B, 283 | Assanah, P. 71C, 209 | Astrup, H. N. 72B, 487 |
| Atias, A. 72B, 449 | Atkins, D. L. 73A, 25 | Auriault, C. 72B, 377 |
| Autuori, F. 73B, 779 | Avgar, D. M. 73A, 267 | Avigad, L. S. 71C, 203 |
| Avoli, M. 73C, 1 | Aykent, S. 71B, 657 | Azuumi, Y. 72B, 309 |
| | | |
| Baehr, J-C. 71A, 53 | Baggott, G. K. 71A, 313 | Baguet, F. 71A, 131 |
| Baguet, J. 71A, 219 | Bahr, U. 73A, 223 | Baker, A. 73B, 411 |
| Baker, D. G. 72A, 157 | Baker, J. E. 71B, 501 | Balamir, A. 71B, 489 |
| Balasch, J. 72C, 145 | Balcer, J. P. 73B, 1019 | Baldini, P. 73B, 779 |
| Balinsky, J. B. 73B, 215 | Ballantine, J. A. 72A, 627; 73B, 481 | |
| Balls, M. 72C, 257 | Bandaranayake, W. M. 72B, 409 | Baranova, S. I. 73C, 41 |
| Barber, A. 73C, 85, 361 | Barber, D. 72B, 689; 73B, 991 | Barber, S. B. 72A, 287 |
| Barbero, J. L. 73B, 475 | Barker, D. M. 73A, 719 | Barnes, D. J. 73A, 41 |
| Barnett, A. J. 71B, 217 | Barra, P. F. A. 73C, 1 | Barrow, M. J. 73A, 491 |
| Barstad, J. A. B. 71C, 27 | Barter, P. J. 71B, 265 | Bartlett, G. R. 73A, 129, |
| 135, 141 | Bartrons, R. 71B, 591 | Baruffaldi, A. 72A, 35 |
| Bashor, D. P. 72A, 263 | Bassett, J. E. 71A, 249; 72A, 637 | |
| Basson, A. B. K. 71A, 369 | Battle, A. M. Del. C. 72B, 663 | Battersby, B. 72A, 421, 715 |
| Baudinette, R. V. 72A, 327 | Baust, J. G. 72A, 167; 73A, 563 | |
| Bayley, H. S. 73B, 25 | Beale, D. 71B, 475 | Beck, M. L. 71A, 341; 71B, |
| 309; 73B, 625 | Becker, W. 73B, 405 | Beeman, R. W. 73C, 145 |

Behra, R. 71B, 187	Beidler, L. M. 73A, 1	Beitinger, T. L. 71A, 611
Belardetti, F. 72C, 33	Beliveau, G. P. 71B, 13	Belleville, J. 71A, 219
Belvedere, P. C. 72B, 367	Bengtsson, G. 72B, 487	Bennett, G. W. 72C, 257, 263
Benson-Rodenbough, B. 72A, 731	Beraldo, M. J. A. H. 71A, 419	Berens, R. L. 72B, 581
Berge, R. K. 72A, 313	Berger, H. 71B, 253	Berlyne, G. M. 72A, 43
Bernard, Ph. 71B, 461	Bernheimer, A. W. 71C, 203	Berteloot, A. 73B, 491
Bethlenfalvay, N. C. 73B, 585, 591		Berzins, R. 72A, 697
Biagini, R. 73B, 435	Biagoni, M. 71C, 119; 72B, 325	
Bieber, A. L. 73B, 459	Bieganski, T. 73C, 431	Biegniewska, A. 73B, 697
Bieniarz, K. 72B, 367	Biol, M-C. 72B, 179	Biondi, C. 72C, 33
Birchard, G.F. 71A, 321	Bird, D. M. 72A, 105; 73A, 513	
Birkbeck, T. H. 71B, 583	Birkby, C. S. 73B, 239	Biwer, G. 73C, 201
Bladier, D. 71B, 545	Blaschuk, O. W. 73B, 729	Blask, D. E. 71A, 299
Blatchford, D. R. 71C, 37	Block, W. 73A, 581	Blum, M. S. 71B, 731; 73B,
797	Boernke, W. E. 72B, 469	Boese, B. L. 71C, 63
Boge, G. 72A, 85	Bolan, K. 71A, 181	Boon, J. K. 72A, 463
Borbe, H. O. 72C, 117	Borch, G. 71B, 249, 253	Borg, E. 71A, 619
Borgese, J. M. 72B, 7	Borgese, T. A. 72B, 7	Bosch, J. 71B, 57, 591; 72B,
39	Botte, V. 73B, 269	Boucherat, M. 71B, 461
Bouquet, Y. 73B, 977	Bourne, A. R. 73A, 279	Bourne, G.B. 72A, 23
Bouverot, P. 72A, 319	Bowen, S. T. 71B, 317	Bowman, C. E. 72B, 551
Boyd, R. T. 73B, 625	Bozidarac, M. 71B, 695	Brancati, A. 73C, 1
Braun, E. J. 71A, 511	Brechany, E. Y. 72B, 453	Brendel, K. 73B, 301
Brenner, R. R. 72B, 71	Brighenti, L. 72A, 35	Brind, J. L. 73B, 915
Brittain, T. 72B, 689; 73B, 991		Brix, O. 71A, 439
Brockman, R. P. 73A, 237	Broitman, D. 73A, 175	Brooks, C. L. 73B, 509
Brown, L. . 73B, 177	Brown, M. 71C, 209	Brown, M. R. 73C, 57
Brown, R. G. 72A, 195, 383	Brunelli, M. 72C, 33	Brunner, A. Jr. 73B, 829
Brush, A. H. 73B, 313	Buchanan, K. D. 72A, 433	Buckley, J. T. 71B, 119; 72C,
15, 21	Burillo, S. L. 71B, 89	Burnett, J. W. 72B, 93
Burns, M. D. 72A, 659	Burns, R. A. 71B, 351	Burrell, D. E. 71C, 209
Burrow, P. V. 72B, 457	Burton, R. S. 73A, 441	Butler, E. J. 73C, 389
Calton, G. J. 72B, 93	Calvo, M. 71B, 403; 73B, 823	Cameron, I. L. 73B, 305
Cammarano, P. 73B, 423, 435	Campos, M. S. 72A, 765; 73A, 459	
Canguihem, B. 71B, 409	Cantrill, R. C. 73B, 297	Capriglione, T. 73B, 739
Capron, A. 72B, 377	Cardemil, E. 73B, 181	Cardenete, G. 71A, 329; 71B,
65	Cariello, L. 73C, 91, 281	Carlberg, M. 73C, 23
Carle, J. S. 71B, 523, 525	Carnie, J. A. 71B, 681	Carreras, J. 71B, 57, 591;
72B, 39, 401	Carricaburu, P. 73C, 201	Carrillo, M. 72A, 11
Carson, K. A. 72A, 279	Carter, N. D. 73B, 971	Carvalho, L. B. Jr. 72B, 149
Cascarano, J. 73B, 635	Casset-Senon, D. 72C, 153	Castedine, A. J. 71B, 119
Castillon, M. P. 73C, 335	Catalan, R. E. 71B, 301; 73C, 335	
Catapane, E. J. 72C, 353	Cattani, O. 73B, 757	Cazzulo, J. J. 71B, 321, 611;
72B, 165	Ceccaldi, H. J. 72A, 673	Cech, J. J. Jr. 73A, 11
Cechinel, Y. M. N. 73B, 681	Cesari, I. M. 72B, 377	Chaen, S. 72A, 623
Chaffee, R. R. J. 73B, 1019	Chagny, F. 73B, 845	Chalmovich, H. 73C, 415

Chapman, D. E. 71C, 63
 701
 Chaudierre, J. 73B, 945
 Chefurka, W. 73C, 369
 Cheong, W. H. 73B, 265
 Chiang, G. L. 73B, 265
 Chillemi, R. 73A, 477
 Chmurzynska, W. 71A, 333
 Chowdhury, J. R. 73B, 651
 Christophe, B. 71A, 131
 Christopherson, R. J. 72A, 697
 Chvapil, M. 71A, 71
 Clandinin, M. T. 72B, 195
 Clemens, H. P. 71C, 183
 Clinton, R. T. 72B, 87
 Cobror, O. 73B, 739
 Cohen, A. C. 71A, 193
 Cohenford, M. A. 72B, 695
 Collins, J. F. 73C, 71
 Connock, M. J. 72B, 669
 Coppellotti, O. 71C, 135
 Cornillon, B. 71A, 219
 Coshniak, I. 71C, 37
 Couppez, M. 72B, 393
 Counter, S. A. 71A, 619
 Cox, D. L. 72B, 619
 Crespo, S. 72C, 145
 Csaba, G. 73B, 357
 Cupp, P. V. Jr. 72A, 255
 Czczuga, B. 72B, 705
 Dabbaghian, M. K. 71B, 681
 Dahlman, D. L. 71C, 165
 Dales, R. P. 73A, 663
 Dando, P. R. 73B, 521, 865
 Dannevig, B. H. 73B, 771
 Das, A. B. 71A, 255
 Davidson, B. L. 72B, 469
 Davies, N. T. 73C, 37
 Davies, R. W. 71A, 243
 Davis, R. H. 71B, 329
 Dawson, T. J. 71A, 59
 Dawson, W. W. 72C, 109
 Dean, R. 72A, 583
 de Buitrago, G. G. 73B, 475
 de Cuyper, C. 73A, 283
 de Gamboa, B. 73A, 95
 73B, 695
 Chapman, F. 73A, 31
 Chararas, C. 72B, 559
 Chauvierre, M. 72B, 393
 Chen, B-y. 71B, 173
 Chernesky, P. 73C, 435
 Chilaka, F. C. 71B, 181
 Chin, W. W. 72B, 303
 Cho, C. Y. 73B, 25
 Chowdhury, N. R. 73B, 651
 Christophersen, C. 71B, 523, 525
 Chu, S. S. -T. 72B, 625
 Cicero, R. 73A, 477
 Clark, L. 73A, 253
 Clendinnen, G. 71A, 219
 Clothier, R. M. 72C, 257
 Codina, J. 71A, 231
 Cohen, D. 73A, 417
 Coirault, Y. 72A, 741
 Colombo, L. 72B, 367
 Cook, B. J. 71A, 23
 Coppens, M. 71B, 95
 Cornillot, P. 71B, 545; 73B, 725
 Cottrell, G. A. 72C, 271
 Coutinho, H. B. 72B, 149
 Covell, C. V. Jr. 73B, 641
 Craik, J. C. A. 72B, 507
 Crichton, E. G. 71A, 71
 Cuddihee, R. W. 73B, 1001
 Curry, D. L. 72A, 333
 Czuczman, M. S. 72B, 581
 Chappell, L. H. 73B, 385,
 Chasseaud, L. F. 71C, 89
 Chaves, M. E. 73B, 681
 Chen, E. 71A, 591
 Chevaillier, P. 72B, 393
 Childs, M. 72B, 551
 Chipoulet, J.-M. 72B, 559
 Chorazyczewski, J. 71B, 259
 Christen, P. 71B, 187
 Chumak, A. D. 71B, 325
 Cimino, G. 73B, 471
 Clark, R. B. 72C, 1
 Clifford, C. 71B, 105
 Coates, M. E. 72A, 205
 Coetzee, J. H. 72A, 173, 437
 Cohen, E. 71C, 123
 Collins, A. C. 73B, 815
 Conley, H. 71B, 201
 Copeland, J. 72C, 125
 Cornelius, S. T. 71A, 337
 Coulon, J. F. 73C, 293
 Coulson, R. A. 72A, 125
 Cowey, C. B. 73B, 1, 59, 393
 Creed, K. E. 73C, 259, 265
 Cryer, A. 73B, 663, 669
 Cuomo, V. 71B, 281
 Czarnecki, C. M. 72C, 137
 Czuka, J. 71B, 139
 Da Costa, C. P. 73A, 697
 Daikoku, T. 73A, 167
 Dalmasso, C. 72B, 445
 Dandy, J. W. T. 72A, 137
 Daron, H. H. 73B, 221
 Das, A. K. 71A, 255
 Davies, J. 72C, 211
 Davies, P. M. C. 73A, 291
 Davies, S. J. J. F. 71A, 557
 Dawes, C. M. 71A, 313
 Dawson, W. R. 71A, 59 495; 72A, 1
 Dea, P. 71B, 531; 72A, 243
 Dean, R. C. 73A, 69
 de Cazzulo, B. M. F. 71B, 321, 611
 de D'Angelo, A. M. P. 71C, 77
 de Haan, N. 71C, 149, 159
 Deimling, O. V. 73B, 719
 Dafny, N. 73C, 205, 323
 Dain, J. A. 72B, 695
 Dancis, J. 73B, 1011
 Daniel, J. P. 73B, 251
 Daroogheh, H. 71B, 149
 David, J. C. 73C, 293
 Davies, M. 73A, 187
 Davies, P. S. 72A, 683
 Davis, G. R. F. 73C, 13
 Dawson, M. E. 72A, 497
 de Achaval, Z. C. 72B, 201
 de Barros, M. A. R. 73B, 829
 Deeming, D. C. 72A, 529
 Deibel-van Schijndel, G. J.
 del Castillo, J. 73C, 451

- Delgrossi, M-H. 73B, 575
 Delbarre, B. 72C, 153
 313
 De Luca, P. H. 72B, 201
 de Potas, G. M. 71C, 77
 De Rosa, S. 73B, 471
 de Vlaming, V. L. 71C, 141; 73A, 31
 de Wilde-Van Berge Henegouwen, M. 72B, 133
 Dey, A. C. 72B, 249
 Dhaliwal, S. S. 73B, 265
 Dickson, A. J. 71B, 689
 Dietrich, C. P. 73B, 857
 Dini, A. 71B, 285
 73A, 105
 Doerner, D. 73C, 9
 Drolet, L. 71A, 321
 Dotson, M. J. 72C, 101
 Doyle, E. 71C, 89
 Drum, A. S. 71B, 455
 Dubourg, L. 71B, 409
 Duman, J. G. 73A, 545
 Duncan, C. J. 73A, 147
 Dupre, R. K. 71A, 627
 Dziegielewska, K. M. 73A, 327
- del Hoyo, N. 72B, 673
 Delbarre, G. 71C, 153
 deLlamas, M. C. 71C, 77
 de Martini, G. J. W. 72B, 313
 de Rizzo, E. 73B, 829
 de Souza, W. 73B, 351
 31
 de Yenkelevich, J. S. 71C, 77
 Dial, B. E. 71A, 623
 Dickson, G. W. 71A, 357; 72A, 295
 Dietz, T. H. 71A, 65
 Diven, W. F. 72B, 581
 Docampo, R. 72B, 663
 Dornfield, E. J. 73B, 603
 Dobryszczyka, W. 71B, 259
 Downes, H. 72C, 39
 Dabrowski, K. 72A, 753; 72B, 659
 Duarte, D. P. F. 73A, 697
 Duhamel, R. C. 73B, 301
 Dunbar, S. J. 71A, 425; 72A, 199; 73C, 79
 Dunson, T. R. 72C, 129
 Durliat, M. 71B, 155, 165
- de la Higuera, M. 72A, 693
 de Lederkremer, R. M. 72B,
 De Loof, A. 72B, 339, 345
 Dendinger, J. E. 72A, 365
 de Rome, P. 71C, 215
 De Stefano, S. 73B, 471
 deVries, A. L. 73A, 627
 de Xifra, E. A. W. 72B, 663
 Deyrup-Olsen, I. 72C, 45, 53
 Diana, J. S. 71A, 395
 Dikarev, V. P. 72B, 137
 Dobrowolska, A. 71A, 465;
 Dodgson, S. J. 72A, 429
 Dougherty, P. L. 72B, 433
 Doster, C. M. 71B, 423
 Downing, D. T. 73B, 239, 327
 Dubinsky, Z. 71A, 41
 Dulac, R. W. 73A, 427
 Dunson, W. A. 71A, 17
 Dutrieu, J. 73A, 669
- Eales, J. G. 73B, 143, 729
 73C, 395
 Eckersall, P. D. 73B, 375
 357
 Edwards, Y. H. 73B, 971
 Ehlers, R. 73A, 233
 Ellington, W. R. 72A, 731
 23
 41
 Emmanuel, B. 72A, 697; 72B, 415
 Engelhardt, F. R. 72C, 133
 Epler, P. 72B, 367
 Eskin, A. 73C, 27
 Etches, R. J. 72A, 195
 Evans, J. B. 71B, 495
- Earll, C. R. 72A, 377
 East, J. 72B, 329
 Eckhardt, R. 72B, 385
 Edwards, C. 72C, 387
 Eguchi, M. 71B, 569, 663; 72A, 359
 Eichrodt, A. 73A, 261
 Elliott, J. M. 73B, 81
 Eloy, R. 71A, 219
 Emerk, K. 71B, 489
- Earnshaw, M. J. 72C, 139;
 Eastin, W. C. Jr. 73C, 101
 Eddy, F. B. 73B, 125; 73C,
 Edwards, S. W. 71B, 495
 Eisenhardt, E. 73B, 719
 Elofsson, R. 71C, 195; 73C,
 Elyakov, G. B. 71B, 325; 73C,
 Emerole, G. O. 73C, 289
 Emson, P. C. 72C, 263
 Enoki, Y. 71B, 727
 Epstein, W. L. 73B, 231
 Essenberg, R. C. 72C, 9
 Etzion, Z. 71A, 99; 72A, 43; 73A, 175, 181
 Evans, R. H. 72C, 211
- Fabacher, D. L. 73C, 277, 285
 Fair, P. H. 73B, 195
 Faruga, A. 71A, 145
 Fay, R. R. 71A, 181
 Fedorowicz, M. 71A, 333
 Felder, M. R. 72B, 517
- Fagerlund, U. H. M. 73B, 143
 Fano, G. 73B, 399
 Faulkner, A. 72B, 169
 Fedde, M. R. 72A, 463
 Fehske, K. J. 72C, 117
 Feldman, M. W. 73, 441
- Fahmy, A. S. 72B, 107
 Farrar, E. S. 71A, 627
 Faus, M. J. 72B, 421
 Fedorov, S. N. 71B, 325
 Feir, D. 71B, 657
 Felon, M. 73B, 725

Fenske, M. 71A, 113	Fenwick, G. R. 73C, 389	Ferguson, G. W. 71A, 611
Ferrari, R. 73B, 581	Ferreira, C. 73A, 373	Ferry, J. A. 71B, 317
Fichera, L. E. 72B, 71	Fiedler, H. 71B, 83	Field, L. H. 72A, 579
Figuerola, H. R. 71C, 107, 141; 73C, 177	Fingerman, M. 71C, 15	Filosa, M. F. 72B, 521
Fine, J. M. 72B, 445	Fischberg, M. 73B, 839	Finerty, M. 73B, 301
Fioravanti, C. F. 72B, 591	Fisher, M. M. 72B, 521	Fisher, C. D. 72A, 1
Fisher, L. W. 72B, 227	Fleming, T. P. 71C, 69; 73C, 187	Fitzpatrick, L. C. 71A, 611,
623	Fletcher, G. L. 73C, 457	Fletcher, T. C. 73C, 195
Fleming, W. J. 73C, 101	Fogel, W. A. 73C, 431	Fogleman, J. C. 71A, 413
Fluck, R. A. 72C, 59	Fontes, M. 73B, 575	Fort, L. 73B, 865
Fonda, M. L. 73B, 1001	Fourie, F. le R. 71A, 473	Fowler, D. J. 71C, 239
Forte, L. R. 73A, 691	Fox, J. W. 73B, 459	Frair, W. 72B, 1; 73A, 337
Fowler, J. C. 73C, 9	Franco, L. 72B, 531	Frandsen, J. C. 73B, 221
Francis, R. I. C. C. 73B, 451	Frankel, H. M. 73A, 57	Frankel, J. S. 73B, 347
Frank, C. 73C, 1	Fraser, J. E. 73C, 357	Frazier, L. W. 72A, 603
Frape, D. L. 72A, 77	Freeman, B. M. 72A, 251	Freire, M. 72B, 117
Freedland, R. A. 71B, 13	Friend, W. G. 72A, 133	Frisch, D. M. 71B, 531
Fremont, L. 73B, 849	Friz, C. T. 72B, 641	Fuhrman, F. A. 72C, 203
Frischknecht, H. R. 72C, 363	Fujii, R. 71C, 1	Fujino, T. 71A, 149
Fuhrman, G. J. 72C, 203	Fukuda, K. 71A, 149	Fukuyama, K. 73B, 231
Fujioka, F. 71A, 317		
Fuzeau-Braesch, S. 71A, 53		
Gabbott, P. A. 72B, 329	Gaggero, A. 72C, 27	Gahan, P. B. 71A, 345
Galaktionov, K. I. 72B, 473	Gandyra, E. 72B, 317	Ganschow, I. 73B, 257
Garcia, J. A. 72A, 765; 73A, 459	Garcia, M. 71A, 329; 71B, 65	Garcia, J. L. 71B, 19; 73B,
465, 751	Garcia-Segura, J. M. 73B, 835	Garcia-Peregrin, E. 71B, 617,
743	Gattegno, L. 73B, 725	Garrison, N. E. 72B, 275
Gassner, D. 71C, 43	Gelman, D. 73A, 81	Gavilanes, J. G. 73B, 835
Gay, C.V. 72A, 587	Gercken, G. 73B, 367	Gentien, P. 72B, 409
Gentile, J. H. 71B, 643	Ghiasuddin, S. M. 73C, 141	Gerencser, G. A. 72A, 721,
727	Giesecke, D. 72B, 415	Ghidalia, W. 72A, 741
Gibbins, A. M. V. 72A, 149	Gilbert, F. F. 73A, 249	Giesy, J. P. 71A, 357; 72A,
295	Gill, T.A. 71B, 49; 73B, 201	Gilbert, R. F. T. 72C, 263
Gilchrist, I. 71A, 349	Gillman, R. L. 71B, 337	Gillespie, J. M. 71B, 623
Gillett, M. P. T. 73B, 681	Giovannini, E. 71C, 119; 72B, 141, 325	Giorgi, F. 72B, 501
Giorgi, P. P. 73B, 839	Giroz, M. T. 72C, 27	Gleason, W. A. Jr. 71B, 651
Giraud, A. S. 72B, 145	Gobbetti, A. 72B, 501	Goberna, R. 71B, 515
Glew, R. H. 72B, 581	Gofton, N. 73A, 249	Goicoechea, O. 72B, 31
Goeden, H. M. 72C, 65	Goldzweig, M. 72C, 27	Gomes, P. B. 73B, 857
Golan, R. 72B, 457	Gonzalez, M. 72B, 439; 73A, 101, 301	Gorsline, H. J. 73A, 675
Gomez, R. 72A, 765	Goodman, S. I. 71B, 333	Goss, D. J. 71B, 229
Gonzalez, R. 72B, 65	Gospe, S. M. Jr. 71C, 249	Goudsmit, E. M. 71B, 417
Gorsline, J. 72A, 663	Goto, Y. 72B, 637	Gras, J. 73B, 845
Goto, H. 71B, 367	Goyffon, M. 73C, 201	Greco, G. 71B, 71
Gourdoux, L. 73A, 669	Graves, S. Y. 71A, 65	
Gratton, K. A. F. 72C, 1		

- Greenberg, M. J. 71C, 101; 73C, 17
991
Griggio, M. A. 73A, 481
Grossman, S. 71A, 41
Guille, A. 72B, 283
Gupta, O. P. 71A, 165; 73A, 405
Guranowski, A. 71B, 483
- Ha, Y. C. 71B, 265
Hack, M. H. 71B, 101; 73B, 873
Haim, A. 71A, 473
Hall, J. E. 71B, 209
Halver, J. E. 73B, 43
Hanaoka, K. 72B, 511
405
Hanumante, M. M. 71C, 15
Harley, J. P. 72A, 111; 72B, 87
751
Harrison, E. W. 71B, 629
Hasimoto, T. 72C, 343
Hattingh, J. 71A, 337; 72A, 173, 437
Haydon, P. G. 73A, 303; 73C, 95
Hayes, W. F. 72A, 287
Head, J. F. 71B, 507
221
Hegab, S. A. 71A, 157
873
Henderson, R. J. 73B, 565
Herbert, J. D. 72A, 125
11
Hews, E. A. 71B, 675
Higgs, D. A. 73B, 143
Hill, R. B. 72C, 329
Hillman, S. S. 73A, 709
Hiremath, L. S. 71B, 95
Hiwada, K. 73B, 189
Ho, M.-S. 72B, 577; 73B, 931
Hobbs, D. R. 71B, 681
Hofer, R. 72A, 55
Hohtola, E. 73A, 159
95
Holm, Chr. 71A, 283
Holmes, R. S. 71B, 387
Holtrup, K. 72A, 689
153
Hoshi, M. 72A, 489
- Greenwood, J. G. 72A, 631
Grim, S. O. 72C, 101
Gudefin, Y. 73B, 845
Guillen, A. 73B, 751
- Habbil, Z. M. 72A, 483
Hacker, R. R. 72B, 195
Haines, H. 72A, 301
Hall, T. R. 71C, 95, 107, 141, 145; 73C, 67, 177
Hamajima, F. 71A, 149
Haneda, I. 71B, 569
Hanker, J. S. 72A, 279
Harado, E. 73A, 447
Harrington, J. 72B, 7
Hart, N. N. 71B, 193
Hata, M. (Masahiro) 72B, 631
Hazard, E. S. 73A, 111
Heady, S. E. 73B, 641
Hedge, S. N. 72A, 205
Helm, B. A. 72B, 481
Heltshe, J. F. 71B, 643
Heneine, I. F. 73B, 251
Herman, W. S. 71A, 141
Herrera, R. J. 72B, 359
Hickling, D. R. 72A, 115
Hijazi, A. H. 73C, 369
Hillery, C. M. 71A, 181
Hilton, J. W. 71C, 49
Hiripi, L. 71C, 209
Hjelmeland, K. 71B, 557
Ho, S-K. 73A, 513
Hodgson, E. 72C, 75
Hoffman, R.A. 73C, 383
Holcombe, R. F. 73C, 45
Holland, R. A. B. 72A, 429
Holm, H. 72A, 575
Holmes, W. N. 72A, 663
Honda, A. 71B, 41
Horst, R. L. 73B, 485
Hoshi, T. 72A, 247
- Greenwood, C. 72B, 689; 73B,
Greenwood, N. M. 73C, 389
Grossman, G. 73A, 31
Guerin, J.-P. 73B, 761
Gumaa, K. A. 73A, 193
Gupta, S. K. 71B, 95
- Habig, C. 72A, 339, 349
Haddad, M. E. 72A, 483
Halket, J. M. 73B, 257
Hampel, A. 72A, 143
Hanke, W. 71A, 157, 165; 73A,
Hansson, C. 71C, 195
Haritos, A. A. 72B, 477
Hero, A. 71B, 19; 73B, 465,
Harrington, J. P. 73B, 919
Harvey, S. 71A, 537; 72C, 83
Hata, M. (Mitsuo) 72B, 631
Hawkins, A. J. S. 73A, 341
Hayes, D. 73A, 81
Heacox, A. E. 73A, 15
Heaton, F. W. 72A, 415; 72B,
Heed, W. B. 71A, 413
Helmy, F. M. 71B, 101; 73B,
Heming, T. A. 73B, 93
Herberg, L. 72A, 433
Herrera, E. 71A, 231; 72A,
Herrmann, H. 73B, 367
Hietanen, E. 71B, 527
Hilchey, S. E. 73A, 77, 243
Hillman, G. R. 72C, 101
Hintz, H. F. 72A, 611
Hirzel, H. O. 72B, 353
Ho, B. T. 73C, 205, 323
Ho, W. K. K. 72B, 547
Hodson, P. V. 71C, 49
Hoggs, S. I. 73B, 669
Holden, A. V. 73A, 303; 73C,
Hollingworth, R. M. 73C, 423
Holman, G. M. 71A, 23
Holmgren, S. 72C, 289
Hopkins, T. I. 71B, 637; 72B,
Horwarth, K. I. 73A, 545
Hotke, C. A. 72A, 225

Hotta, K. 72B, 309	Houlihan, D. F. 73A, 383	Houston, A. H. 71A, 175
Howard, D. F. 71B, 731	Howard, R. J. 71B, 713	Howell, D. A. 71A, 401
Hoyle, G. 73C, 451	Huddart, H. 71A, 425 73C, 297, 303	
Huggins, S. E. 73A, 697	Hughes, J. L. 71A, 611	Hugon, J. S. 72A, 505; 73B,
491	Hume, I. D. 71A, 1; 72A, 271	Humphries, L. A. 73C, 411
Hunter, R. L. 72B, 149	Hushitani, K. 72B, 267	Hutchison, V. H. 73A, 111
Hutchison, W. F. 73B, 331	Hutzler, J. 73B, 1011	Hutzell, P. A. 73B, 517
Huybrechts, R. 72B, 339		
Ida, H. 71B, 29	Iga, T. 73C, 51	Igbokwe, E.C. 73B, 457, 747
Iguchi, M. 72A, 709	Iguchi, S. M. M. 72A, 571	Ikeda, S. 73B, 785
Ikumi, K. 73C, 403	Imbriani, J. L. 72B, 13, 21	Incerpi, S. 71B, 519; 73B,
779	Ing, N. H. 72B, 295	Ingermann, R. L. 73A, 497
Ireland, M. P. 73A, 217	Irons, J. 72C, 263	Isaka, S. 72A, 489
Isakov, V. V. 71B, 325	Ishak, M. M. 71B, 289	Ishay, J. S. 71C, 203; 73A,
267; 73C, 57	Ishida, A. T. 72C, 241	Ishida, M. 72C, 249
Ishihara, K. 72B, 309	Ishikawa, H. 72B, 239; 73B, 309	
Ishikawa, T. 73C, 121, 129, 135		Ishizaki, H. 72C, 103
Iturri, S. J. 71C, 131; 72C, 27		Ivanova, L. N. 72A, 535
Ivanovic, J. 71B, 695	Ivanovici, A. M. 71B, 643	Iwamoto, A. 71B, 569, 663;
72A, 359		
Jabalquinto, A. M. 73B, 181	Jablonowska, C. 71A, 145	
Jackson, L. L. 71B, 739	Jackson, M. J. 73B, 971	Jackson, N. 71B, 351
Jacob, J. 72B, 161	Jacobs, G. 73B, 367	Jacobs, M. E. 72B, 173
Jacobs, P. B. 72B, 157	Jacobson, E.R. 72A, 425; 73A, 703	
Jagot, S. A. 72A, 211	Jais, M. M. 73C, 71	Jakielaszek, J. 72B, 317
Jakobson, M. E. 72A, 211	James, V. A. 71C, 229	Jamieson, D. D. 71C, 215
Jamieson, J. C. 73B, 729	Jankovic-Hladni, M. 71B, 695	Jankowski, J. 71A, 145
Janning, J. T. 73A, 421	Jayaraj, F. 73C, 435	Jeffery, D. 73B, 971
Jeffery, S. 73B, 971	Jeffrey, P. D. 73B, 983	Jenkinson, D. M. 71C, 37
Jensen, L. H. 71A, 283	Joensuu, T. 71A, 389	Johansen, J. 71A, 283
John, M. E. 73B, 585	Johnson, D. B. 71B, 105	Johnson, K. G. 73C, 259, 265
Johnson, L. Y. 71A, 615	Johnson, M. 71B, 643	Johnson, V. G. 71C, 63
Johnston, I. A. 73B, 105	Jokumsen, A. 71B, 469	Jones, A. W. 72C, 211
Jones, C. G. 73B, 797	Jones, D. B. 72A, 77	Jones, M. B. 72A, 631; 73A,
341	Jones, R. 71B, 237	Jones, R. M. 71A, 293
Jones, T. h. 71B, 731; 73B, 797		Jonsson, A-C. 71C, 191
Juel, C. 73C, 157	Jungreis, A. M. 71C, 169	Junior, A. F. 73A, 197
Kaila, K. 73C, 231, 353	Kakei, M. 72B, 309	Kalmus, G.W. 72C, 129
Kalmus, K. C. 72C, 129	Kaloustian, K. V. 71A, 631; 73A, 427	
Kamau, J. M. Z. 73A, 21	Kamel, M. Y. 72B, 107	Kamimura, T. 73B, 335
Kaminsky, Y. G. 73B, 957	Kamura, M. 72C, 281; 73C, 149	Kanazawa, A. 71B, 373
Kaneda, T. 71B, 357	Kapustina, I. I. 73C, 41	Karpial, S.E. 72B, 317
Kasschau, M. 71A, 591	Kasschau, M. R. 72A, 595	Kato, M. 72C, 387
Kato, S. 73A, 447	Katoh, S. 71B, 33	Katsoulis, D. E. 72B, 581
Kaufmann, R. 72A, 221	Kawagoe, R. 72C, 237	Kayser, H. 72B, 427

Kelecom, A. 72B, 677	Kemper, G.B. 73C, 445	Kenan, A. 71A, 99
Kerambrun, P. 73B, 761	Kerkut, G.A. 72C, 161	Kerr, M. G. 73B, 375
Kesbeke, F. 71B, 599	Ketola, H. G. 73B, 17	Khaltlina, S. Yu. 73B, 655
Khatim, M. M. Sir El. 71A, 199	Khatim, M. S. 73A, 193	Kiaira, J. K. 71A, 265
Kiceniuk, J. W. 73C, 457	Kiessling, A. 72C, 107	Kiessling, K.-H. 72A, 669
Kijima, H. 73A, 713	Kikuchi, T. 71B, 29	Kimbrough, T. D. 72A, 747
Kime, D. E. 71B, 675	Kimura, R. 72A, 237	Kimura, S. 71B, 373; 73B,
335	King, D. J. 73C, 71	King, K. M. 73B, 595
King, M. J. 73C, 457	King, T. S. 71A, 615	Kircher, H. W. 71A, 413
Kirshner, N. 72A, 279	Kito, H. 73C, 121, 129, 135	Kits, K. S. 72A, 91
Kivivuori, L. 72A, 17	Kleinow, W. 71B, 83	Klekamp, M. 72A, 143
Klemann, S. W. 73B, 907	Klingensmith, J. S. 71B, 111	Kloepper, R. F. 73B, 509
Klugman, K. P. 71A, 337	Kluymans, J. H. 73B, 673	Klyzsejko-Stefanowicz, L.
71B, 145	Knight, G.C. 73C, 211, 463	Knoepfel, S. J. 73A, 25
Knoll, J. 71A, 237, 579	Kobayashi, H. 71A, 485; 72A, 197	
Kobayashi, M. 72A, 247, 599; 72C, 343; 73A, 239		Koechlin, N. 73A, 311
Koenderman, A. H. L. 73B, 965	Koenig, M. 71A, 591	Kokubu, T. 73B, 189
Komm, B. 73B, 923	Komnick, H. 71C, 43	Kondrashova, M. N. 73B, 957
Konecka, A. M. 73B, 693	Konno, R. 71B, 735	Konosu, S. 71B, 7
Korhonen, I. 72A, 637	Kosenko, E. A. 73B, 957	Krajewska, W. M. 71B, 145
Krauskopf, M. 72B, 31	Krebs, H. A. 72B, 565	Kriesten, K. 73A, 223
Krogdahl, A. 72A, 575	Krogsgaard-Larsen, P. 73C, 439	
Kruger, K. 73A, 679	Krushberg, L. R. 73B, 517	Krutzsch, P. H. 71A, 71
Krywuta, S. 72B, 705	Kudo, Y. 72C, 231	Kulomaa, M. 71A, 389
Kustin, K. 72A, 161	Kuznetzova, L. A. 73C, 181	Kuznetzova, T.A. 73C, 41
Kyaw, N. N. 73B, 785		
LaBarbera, M. 71A, 303	LaBombardi, E. L. 72B, 465	Lafon-Cazal, M. 73C, 293
Lagerstrand, G. 73A, 463, 469	LaGow, J. B. 71B, 229	Lague, P. C. 72A, 105
Lai, J. C. K. 71C, 219, 223	Laitinen, M. 71B, 527; 72A, 637; 73C, 271	
Lambert, R. G. 73B, 641	Lampreave, F. 71B, 403; 72B, 215, 823	
Landau, Les M. 71A, 137	Landt, M. 73B, 509	Lankford, G. L. 71B, 651
Lannergren, J. 71A, 619	Larman, V. N. 72B, 329	Lashansky, G. 73B, 297
Laurent, G. 72B, 445	Laverack, M. S. 72A, 401	Lavis, A. 72A, 627; 73B, 481
Lavrinenko, V. A. 72A, 535	Lavrova, E. A. 72A, 535	Lawrence, C. B. 73C, 37
Lawrence, J. M. 72B, 283, 461, 881		Laxmyr, L. 71C, 195; 73C, 23
Lazarovici, P. 71C, 177	Lazelli, J. D. Jr. 71A, 17	Leake, L. D. 72C, 317; 73C,
347	Leatherland, J. F. 72C, 91; 73A, 485	
Leblanc, E. L. 73B, 201	LeBoeuf, R. D. 72B, 157	Le Bras, Y. M. 72C, 141
Lebsack, M. E. 72B, 517	Lee, R. E. Jr. 72A, 167	Lehman, W. 71B, 507
Leinen, R. 73A, 315, 321	Leipoldt, M. 72B, 385	Lelevier, C. 72B, 99
Lemire, M. 72A, 65	Leon, O. 72B, 65	Lequellec, Y. 73A, 669
Leray, C. 71B, 77	Lerner, J. 73A, 77, 243	Leung, A. M. 72B, 547
Lesniak, A. P. 71B, 305	Lessman, & C. A. 71A, 141	Leung, T. K. C. 71C, 219,
223	Levine, L. D. 72B, 77	Levy, E. M. 72B, 255
Lewin, L. M. 72B, 457	Lewis, J. B. 71A, 457	Li, Y-C. 71B, 531
Liaaen-Jensen, S. 71B, 249, 253		Licis, P. 72C, 329
Lieber, C. S. 72B, 517	Lied, E. 72B, 187	Lightner, D. V. 73B, 301

Lilleheill, G. 71C, 27	Lim, L. 71C, 219, 223	Lima, J. E. 73B, 591
Lima, V. L. M. 73B, 681	Lin, W-L. 71B, 539	Lin, Y. C. 72A, 157
Linares, A. 71B, 617, 743	Lindholm, J. S. 73B, 327	Lindstedt, S. 72B, 537
Linton, J. 73B, 923	Linton, L. R. 71A, 243	Lisboa, B. P. 73B, 257
Littledike, E. T. 73B, 485	Liu, D. K. 71B, 535	Liu, E. H. 71B, 305
Lloyd, D. 71B, 495	Lockey, K. H. 73B, 275	Lockshin, R. A. 72B, 303
Lockwood, A. P. M. 72A, 497	Loenn, B-E. 72A, 49	Lombardero, M. 71B, 511
Lombardo, F. 73A, 47	Lomholt, J. P. 71A, 439	Londei, P. 73B, 423, 435
Long, S. 71A, 519	Longanecker, D. 73A, 11	Loo, S. Y. 72A, 727
Lopez, M. A. 73A, 459	Loughton, B. G. 73C, 331	Louisot, P. 72B, 179
Louw, G. N. 71A, 605	Lucas, M. 71B, 515	Lucero, L. 72C, 27
Lukowiak, K. 71A, 585	Luly, P. 71B, 519; 73B, 779	Lund, B. 72B, 187
Lund, P. 72B, 565	Lustick, S. 72A, 421, 715	Lutton, L. M. 71A, 85
Lyons, J. 73A, 437		
McAllister, P. 72C, 101	McBain, A. E. 73C, 71	McBride, J. R. 73B, 143
McBride-Warren, P. A. 72A, 195	McCarter, J. A. 72C, 15, 21	McClume, J. 72C, 137
McCommas, S. A. 72A, 595; 72B, 157		McCorkle-Shirley, S. 71A,
325	McCormick, D. B. 73B, 341	McCutcheon, J. 72A, 195
McDonagh, A. F. 73B, 501	McDonald, J. M. 73B, 509	McDonough, L. B. 72A, 259
McGeachin, R. L. 72A, 267	McGregor, D. D. 73C, 243	McHenery, J. G. 71B, 583
McKim, J. M. 72C, 65	McLeese, J. M. 73B, 631	McPherson, R. J. 71A, 93
McWilliams, P. G. 72A, 515	Maaskant, J. J. 71B, 293	Mabon, R. M. 72B, 453
MacArthur, D. L. 72A, 137	Macdonald, A. G. 71A, 349; 72A, 405	
Macey, D. J. 72A, 307	MacKenzie, D. S. 72A, 477	Mackie, A. M. 73A, 89
Mackinson, N. O. 73B, 663	Macmillan, D. L. 72A, 401, 579	
MacNaughton, W. 72A, 405	Maher, R.W. 72A, 747	Mahin, L. 73B, 543
Mainoya, J. R. 71A, 477	Majewska, H. 73B, 693	Makarewicz, W. 72B, 123
Makinodan, Y. 73B, 785	Mallein, R. 71B, 461	Mallonee, R. L. 72B, 275
Maloiy, G. M. O. 73A, 21	Mammad, S. 73B, 543	Mancuso, P. M. 71A, 375
Mangum, C. P. 73A, 15	Mannering, G. J. 71B, 431, 437, 445	
Mantel, L. H. 71A, 321	Mantel, P. 71C, 159; 72C, 303	Manwell, C. 73B, 411
Mao, S-h. 71B, 173	March, B. E. 72A, 115	Marchalonis, J. J. 73B, 887
Marder, J. 72A, 179, 185, 191	Marek, M. 73B, 951	Maren, T. H. 73B, 937
Maresch, R. D. 73C, 27	Margiocco, C. 73C, 161	Margulis, B. A. 72B, 473
Marion, D. 73B, 849	Marion, K. r. 71A, 99	Markofsky, J. 73B, 915
Marquez, G. 72B, 531	Marsden, C. A. 72C, 257, 263	Marsden, I. D. 73A, 341
Marshall, R. C. 71B, 623	Martin, A. 72B, 179	Martin, A. W. 72C, 45, 53
Martin, J. P. 72B, 99	Martin, M. P. 73B, 243	Martinez, A. M. 71B, 301
Martinez-Cadena, G. 71B, 515	Martinez-Guerrero, A. 71C, 83	Martino, G. 71B, 71
Maslinski, C. 73C, 431	Masui, M. 73A, 167	Matheson, A.T. 72C, 15, 21
Matias, J. R. 73B, 915	Matlock, D. B. 73B, 603	Matsumoto, H. 71A, 317
Matsumoto, J. J. 72A, 571	Matsumura, F. 73C, 141, 145	Matsuzawa, T. 71A, 79
May, T. E. 71C, 149	Mayer, L. 72A, 421, 715	Mazina, T. I. 73C, 181
Mazzei, F. 73B, 423, 435	Mearow, K. M. 71A, 175	Mecham, R. P. 72B, 619
Medeiros, L. F. 71B, 541	Medeiros, L. O. 71B, 541	Medl, S. 73A, 413
Meirelles, N. C. 73A, 197	Melidi, N. N. 72A, 535	Mendes, E. G. 71A, 419; 73C,
415	Mendes, I. F. 73B, 829	Mensi, P. 73C, 161

Mercer, A. R. 73C, 243	Mettrick, D. F. 73B, 901	Meyers, P. 72A, 611
Meyerstein, M. 73A, 181	Mezawa, K. 72B, 261	Mezquita, J. 71B, 57, 591;
72B, 401	Michaels, A. 73B, 923	Middleton, J. 71A, 345
Migler, R. 73B, 635	Mikalsen, A. 71C, 27	Miki, W. 71B, 7
Milanovic, M. 71B, 695	Mill, P. J. 73A, 641	Mills, C. F. 73C, 37
Mills, K. A. 73C, 411	Mills, M. 73B, 457, 747	Miller, B. E. 73B, 509
Miller, J. N. 71C, 89	Miller, K. 73A, 595	Miller, K. I. 73B, 1013
Milligan, L. P. 72A, 697	Minale, L. 71B, 285	Miro, J-L. 71B, 409
Mishima, K. 73A, 355	Mitchell, A. I. 73A, 89	Mitchell, D. 72A, 437
Mitchell, G. 72A, 179	Mitchell, G. F. 71B, 713	Mitchell, J. M. 73B, 221
Mitsutani, C. Y. 73B, 829	Miyashita, Y. 71C 1	Mizuhira, V. 73C, 121
Mizuta, T. 72C, 249	Mohamed, A. M. 71B, 289	Mohamed, M. I. 73C, 313, 319
Monneuse, M.-O. 73B, 865	Montalvo, C. 71A, 125	Montaudon, D. 71B, 409
Montero, F. 72B, 531	Montmory, C. 72A, 741	Moore, M. N. 71C, 21
Moran, A. 72B, 65	Moran, E. T. Jr. 72A, 383	Morata, P. 71B, 65; 72B, 421,
543; 73A, 379	Moreau, R. 73A, 669	Morello, A. 72B, 449
Morgan, A. J. 73A, 207	Morgan, E. H. 71A, 211	Mori, Y. 71B, 41
Morii, H. 71B, 357	Morimoto, H. 72B, 267	Morris, J. G. 72A, 333
Morris, R. J. 72A, 497, 637; 73B, 481	Morton, M. L. 73A, 233	Morris, R. W. 71A, 635
Morton, D. 73A, 421	Moxon, L. N. 71B, 387	Mosin, A. F. 71A, 461
Motokawa, T. 73C, 223	Muller, W. E. 72C, 117	Muchlinski, A. E. 72A, 243
Mukherjee, A. B. 72B, 359	Municio, A. M. 71B, 19; 73B, 465, 751	Mumbach, M. W. 72A, 549
Muneoka, Y. 72C, 281; 73C, 149	Murota, S-I. 71B, 41	Murphy, C. J. 72A, 611
Murdock, L. L. 73C, 423	Murray, H. C. 73C, 101	Myers, J. C. 71B, 709
Murphy, R. W. 71A, 119		
Nadakavukaren, M. J. 71B, 539	Nagel, R. I. 72B, 7	Nahrstedt, A. 71B, 329
Nair, G. 71A, 313	Nagle, G. T. 71C, 101; 73C, 17	
Nakagawa, K. 73A, 447	Nakagawa, Y. 72B, 625	Nakamura, Y. 72A, 709
Nakano, E. 71B, 563	Nakat, S. S. 72C, 75	Narahashi, T. 72C, 411
Nardi, G. 71B, 297	Nascimento, M. C. S. 73B, 251	Nasledova, N. I. 72A, 535
Nassar, C. F. 72A, 483	Nathanielsz, P. W. 71B, 1	Nations, C. 73B, 305
Natochin, Yu. V. 72A, 535	Naval, J. 71B, 403; 73B, 823	Neckers, L. M. 71B, 333
Nemeth, G. 73B, 357	Nes, W. R. 71B, 345	Newton, D. K. 71C, 107
Ngaha, E. O. 73C, 109	Nibbio, B. J. 71C, 115	Nicolson, S. W. 71A, 605
Nielsen, E. 73C, 439	Nieminen, M. 71B, 537; 72A, 689; 73C, 271	
Nieto, A. 71B, 511	Nikai, T. 72C, 103	Nikinmaa, M. 71A, 353
Nilsson, S. 72C, 289	Nishi, K. 72C, 403	Nishino, C. 72A, 237
Njogu, R. M. 71A, 265	Noble, N. A. 71B, 1	Noel, P. Y. 72B, 651
Noguchi, A. 71B, 29	Noguchi, T. 72B, 597	Nolan, W. F. 73A, 57
Nomura, K. 72A, 489	Nordback, I. 71A, 389	Norrbohm, A. L. 71B, 345
Norum, K. R. 73B, 771	Nover, A. 72C, 117	Noy-Man, Y. 73A, 267
Nicolas, G. 71A, 53		
Oaasi, S. C. 73C, 289	Oakley, J. K. 72A, 579	Obara, Y. 71A, 317
Ochi, O. 72B, 267	Ochiai, T. 71B, 727	Odelhog, B. 72B, 537
Odierna, G. 73B, 739	Odutuga, A. A. 71A, 383	Oelofsen, W. 71A, 369

Ogasawara, N. 71B, 367	Ogasawara, T. 72A, 709	Ogata, N. 72C, 171
Ogiso, M. 72B, 511	Oglesby, L. C. 71A, 363; 73A, 15	
Oguro, C. 71A, 309	Ohara, S. 72B, 309	Ohki, Y. 72B, 637
Ohta, M. 73A, 349, 355	Ohtani, O. 73B, 231	Ohuchida, A. 73A, 713
Oide, M. 72B, 493	Oikara, A. 72A, 49	Oka, J-i. 72C, 231
Okazaki, T. 73B, 309	Olafson, R. W. 72C, 21	Olcese, J. M. 71C, 107, 141
Oldfield, A. C. 73C, 297, 303	Oliveira, M. M. 71B, 397	Olivereau, J. M. 71A, 11
Olivereau, M. 71A, 11	Olmo, E. 73B, 739	Olomucki, A. 73B, 865
Omar, D. 73C, 423	Onodera, K. 72C, 237	Oomura, Y. 72C, 387
Oosterhof, A. 73B, 535	Opdyke, D. F. 73C, 45	Orbach, J. 72A, 327
Orchard, I. 73C, 331	Oren, A. 71A, 99; 73A, 175	Orlacchio, A. 73B, 399
Orlicky, J. 71B, 141	Ortega-Corona, B. G. 71C, 83	Osada, J. 71B, 259
Ose, Y. 73C, 121, 129, 135	Osman, A. M. 71A, 199; 73B, 571	
Ottaviani, E. 73B, 581	Ottolenghi, C. 72A, 35	Oudejans, R. C. H. M. 71B,
379; 73B, 685	Overal, W. L. 71B, 731	Overnell, J. 73B, 547, 555
Oyama, Y. 72C, 403		
Pacheco, M. F. 73C, 9	Packer, R. K. 73A, 25	Paganelli, C. V. 72A, 29
Palavinskas, R. 73A, 223	Palma, L. A. 73B, 501	Palo, T. 72A, 669
Palumbo, A. 71B, 297	Pantelic, D. 73B, 379	Paolucci, M. 73B, 269
Paparo, A. A. 72A, 583; 73A, 69		Papestephanou, C. 73B, 617
Pare, D. 73A, 513	Parkhurst, L. J. 71B, 229	Parks, L. H. 73C, 377
Parmer, R. 72C, 109	Parsons, D. W. 72A, 391	Parsons, P. A. 71B, 387
Part, P. 71C, 7; 72C, 107	Partridge, L. D. 73C, 9	Pasanen, P. 73C, 271
Pass, M. A. 73C, 419	Patana, R. 71A, 193	Patterson, J. L. 73A, 545
Paul, J. 71A, 219	Paul-Murphy, J. R. 72A, 611	Paulson, A. T. 71B, 49
Paxhia, T. 73B, 791	Peaker, M. 71C, 37	Pearson, A. W. 73C, 389
Pechurkina, N. I. 72A, 535	Pecon, J. 71A, 591	Peferoen, M. 72B, 345
Peiser, L. 73B, 215	Penefsky, Z. J. 72A, 559	Penkoff, S. J. 72A, 621
Pereira-Netto, A. D. 71B, 397	Peres, G. 72A, 85; 73B, 361	Perez-Albarsanz, M. A. 72B,
673	Perez-Palomo, M. 72B, 421	Perlmutter, A. 71B, 113, 271;
73B, 417	Perret, G. 71B, 545; 73B, 725	Perrier, H. 73B, 845
Perry, S. F. 73B, 93	Pershina, L. 71B, 133	Pertseva, M. N. 73C, 181
Pessah, N. I. 73B, 937	Pessoa, R. G. 72B, 149	Peters, G. J. 73B, 535
Pettit, T. N. 72A, 29	Petrovic, M. 73B, 379	Pfeffer, E. 73B, 51
Pfohl, R. J. 73B, 907	Phillips, J. G. 71A, 537; 72C, 83	
Phillis, J. W. 72C, 179	Phleger, C. F. 71A, 453	Picardo, M. 71B, 689
Picariello, O. 73B, 269	Piccinni, E. 71C, 135	Piek, T. 71C, 149, 159; 72C,
303, 311; 73C, 79	Pierce, R. 72B, 377	Pilkington, J. B. 73A, 395,
401	Pinaev, G. P. 72B, 473	Pineiro, A. 71B, 403; 72B,
215; 73B, 823	Pinheiro-Joventino, F. 73B, 257	
Pinto, A. C. 73B, 351	Pinto, A. S. 73B, 351	Piretti, M. V. 73B, 211, 757
Pirie, B. J. S. 73B, 565	Pita, M. L. 72B, 543; 73A, 379	
Pizza, C. 71B, 285	Platzer, E. G. 72B, 13, 21	Plesneva, S. A. 73C, 181
Podesta, R. B. 73B, 901	Podgornaya, O. I. 72B, 473	Podsekaeva, G. V. 72A, 535
Polzonetti-Magni, A. 72B, 501	Ponec, R. J. 72A, 455	Pons, G. 71B, 591; 72B, 39,
401	Pontier, P. J. 71B, 193	Pool, W. R. 73B, 459
Pope, M. T. 72B, 581	Popov, A. M. 73C, 41	Porcheron, P. 71A, 53

Post, E. E. 71A, 457	Pothier, P. 72A, 505	Potter, I. C. 72A, 307
Pough, F. H. 72A, 221	Powanda, M. C. 71A, 615	Powell, E. N. 71A, 591
Prahlad, K. V. 72A, 143	Pratten, M. K. 73C, 187	Prestwich, K. N. 72B, 295
Price, D. A. 72C, 325	Price, N. R. 73C, 411	Priego, J. G. 73C, 335
Principato, G. B. 71C, 119; 72B, 325	Probst, B. 71A, 113	Prinzinger, R. 71A, 469; 73A,
679	Prothero, J. W. 71A, 567	Prokop, E. K. 71A, 631
Prota, G. 71B, 297	Puviani, A. C. 72A, 35	Przytulski, T. 71B, 139
Purvis, J. M. 72B, 195		Punzo, F. 71B, 703
Putnam, R. W. 71A, 119		
Quinn, R. H. 72A, 263		
Raa, J. 71B, 557	Racioppi, J. V. 71C, 165	Raghavaiah, K. 71B, 223
Rahman, M. S. 73B, 901	Rahman, T. A. 73C, 313, 319	Ram, J. L. 71B, 417
Ramamurthi, R. 71B, 223	Randall, D. J. 73B, 93	Randall, R. 71C, 63
Randel, R. D. 72C, 113	Rane, S. G. 73A, 503	Rassu, M. A. 73A, 47
Read, R. S. D. 73A, 279	Ready, N. E. 73A, 15	Rebel, G. 71B, 409
Recio, M. N. 72B, 673	Rehder, N. B. 72A, 105	Reidy, N. 71B, 105
Reiter, R. J. 71A, 299, 615	Rendell, C. A. 72C, 15	Renfree, M. B. 73A, 485
Renstrom, B. 71B, 249	Repetto, Y. 72B, 449	Rettori, V. 73B, 305
Reynoso, G. T. 73A, 95	Rhodes, R. C. III. 72C, 113	Ribak, J. P. 73A, 267
Riccio, R. 71B, 285	Richard, M. 72B, 179	Richard, P. 72A, 673
Richards, K. S. 71C, 69; 73C, 187	Richardson, B. A. 71A, 615	Richardson, A. 71B, 709; 73C,
435	Richardson, R. I. 73A, 389	Richardson, R. I. 73A, 389
Ridlington, J. W. 71C, 63	Rigal, A. 72A, 85	Rigor, B. M. 73C, 205, 323
Ring, O. 72C, 107	Ring, R. A. 73A, 605	Ripatti, P. 73C, 399
Ritter, K. S. 71B, 345	Rizer, R. L. 73B, 915	Roberts, C. J. 71C, 229; 72C,
391; 73C, 71, 167, 439	Roberts, J. C. 73B, 481	Roberts, R. J. 73B, 177
Robert, J. 71B, 409	Robertson, H. A. 72C, 125	Robertson, H. G. 71A, 605
Robinson, G. A. 72A, 149	Robinson, G. D. 71A, 407	Robinson, W. E. 72A, 161
Roca, P. 72B, 439; 73A, 101, 301	Rodriguez-Segade, S. 72B, 117	Roch, M. 72C, 15, 21
Rodriguez, R. 73B, 475	Rogers, O. R. 72A, 333	Roer, R. D. 71A, 271
Roesijadi, G. 71B, 455	Rolls, B. A. 72A, 205	Roiz, Y. 73A, 181
Rollins, L. 71A, 141	Rosen, M. H. 71B, 113, 271; 73B, 417	Romeo, A. 73B, 423
Ronneberg, H. 71B, 249, 253		Ross, B. S. 72A, 111
Rosengren, E. 71C, 195; 73C, 17	Rothstein, M. 71B, 95	Rourke, A. W. 71B, 313
Rossi, S. S. 71A, 453	Roveri, O. A. 71B, 611	Rovner, M. 73A, 181
Rouze, P. 73B, 865	Rowsell, K. V. 71B, 681	Ruben, P. 71A, 585
Rowsell, E. V. 71B, 681	Rubsamen, K. 72A, 271	Rundgren, M. 72B, 537
Ruben, R. L. 73C, 445	Rutten, V. P. M. G. 73B, 685	Rzasa, P. 71A, 631
Ruscak, M. 71B, 141		
Saez, L. 72B, 31	Sainz, F. 72B, 439; 73A, 101	Sakagami, T. 73A, 455
Salamastrakis, S. S. 72B, 477	Salanki, J. 71A, 47	Salminen, A. 71B, 23
Salvarrey, M. S. 72B, 165	Salzman, T. A. 72B, 663	Sanchez-Medina, F. 71B, 65;
72B, 421, 543; 73A, 379	Sanchez-Muniz, F. J. 71B, 669; 72A, 693	Santos, C. D. 73A, 373
Sanjurjo, M. A. B. 71B, 541	Santillan-Alarcon, S. 71C, 83	Sanz, F. 73A, 301
Sanyal, G. 73B, 937	Sanz, A. 71A, 329	

- Sargent, J. R. 73B, 565
 Sasamoto, K. 73A, 349, 355
 Satchell, D. 72C, 189
 Satow, Y. 71A, 29
 Sautiere, P. 72B, 393
 Scapin, S. 71A, 205; 71B, 519; 73B, 779
 Scemes, E. 73C, 415
 Scharrer, E. 73A, 413
 223
 Schiefer, H. B. 73C, 13
 Schmidt, G. H. 73B, 283
 Schraer, H. 72B, 227
 Schulten, H-R. 73A, 223
 Schwantes, A. R. 72B, 49, 59, 201
 59, 201
 Schwippert, W. 73C, 253
 Scott, R. L. 72A, 737
 Seawright, A. A. 73C, 419
 Segura, E. L. 72B, 313
 Serebryakov, E. P. 72A, 535
 Sesboue, R. 72B, 99
 73A, 201
 Seymour, R. S. 72A, 327
 Shany, S. 72A, 43
 Sheedlo, H. J. 71A, 341; 71B, 309
 Shelton, M. G. 71A, 271
 Shimada, T. 72B, 261
 Shinohara, Y. 72B, 511
 Shirin, M. E. 73A, 267
 73B, 309
 Sieber, B. 72C, 363
 Sillero, M. A. G. 71B, 89
 Simkiss, K. 72A, 73
 Singh, G. J. P. 73C, 331
 Skorkowski, E. F. 72B, 647
 Slinger, S. J. 71C, 49; 73B, 25
 Smith, A.C. 71B, 337, 723
 Smith, J. R. 71C, 57; 73C, 115
 Smolen, A. 73B, 815
 Sobiech, K. A. 72B, 317
 Soivio, A. 71C, 7
 Somes, R. G. Jr. 73A, 243
 Sonetti, D. 73A, 47
 Southwick, E. E. 71A, 277
 Spanjer, W. 71C, 149, 159
 Spycher, M. A. 71B, 187
 Staddon, B. W. 71B, 149
 Stangassinger, M. 72B, 415
 Sargent, P. A. 72B, 521
 Sasayama, Y. 71A, 309
 Sato, T. 73A, 1, 361; 73C, 121, 129, 135
 Sauer, J. R. 72C, 9
 Savic, J. 73B, 379
 779
 Schaffer, D. D. 72A, 371
 Schaub, M. C. 72B, 353
 Scheid, P. 72A, 463
 Schlender, K. K. 71B, 423
 Schmidt, J. O. 71C, 203
 Schryver, H. F. 72A, 611
 Schulz, T. K. F. 73B, 673
 Schwen, R. J. 71B, 431, 437, 445
 Scislowski, P. W.D. 73B, 697
 Scott, W. N. 72A, 559
 Sechelski, J. 71B, 209
 Sekharam, V. C. 71B, 223
 Serrazanetti, G. P. 73B, 211, 757
 Sestillange, P. 72C, 153
 Sevaljevic, L. 73B, 379
 Shah, B. K. 73A, 337
 Sharp, P. J. 72C, 83
 Shelud'ko, N. S. 73B, 655
 Shimizu, I. 71A, 445
 Shinozaki, H. 72C, 249
 Shoukry, M. I. 72B, 321
 Sichel, G. 73A, 477
 Sillau, A. H. 71A, 125
 Silva, A. M. R. 72A, 607
 Simon, E. 71A, 547
 Skadhaug, E. 71A, 481; 72A, 689
 Sleet, R. B. 72A, 469; 73C, 115
 Smagula, R. M. 73A, 77, 243
 Smith, J. J. B. 72A, 133
 Smith, P. M. 71B, 713
 Snow, D. H. 73B, 375
 Sohmer, P. R. 72A, 737
 Sole-Cava, A. M. 72B, 677
 Sonderegger, P. 71B, 187
 Southon, S. 72A, 415
 Spaargaren, D. H. 72A, 673
 Spence, K. D. 73B, 645
 S.-Rozsa, K. 72C, 375
 Stanec, A. 71C, 209
 Stankiewicz, A. 72B, 123,

- 127
349
Stephanou, G. 73B, 529
Stetten, M. R. 73B, 803
Stingo, V. 73B, 739
Stoppani, A. O. M. 72B, 663
Strain, P. M. 72B, 255
Stynen, D. 72B, 345
Sugihara, H. 72C, 103
Sung, S. C. 73C, 33
Suzudi, S. 72C, 159
Svetashev, V. I. 72B, 137
Swierczynski, J. 72B, 647
Syrovyy, I. 72B, 289
- Tabata, M. 73A, 125
Takabatake, I. 73C, 51
Takahashi, T. 73A, 621
Takeuchi, A. 72C, 237
Tanaka, K. R. 71B, 1
Taniguchi, N. 71A, 317
Tate, L. G. 72C, 75
Taylor, M. 72A, 73
Taylor, R. W. Jr. 72A, 425
Tazawa, T. 73C, 121, 129, 135
Terpstra, A. H. M. 71B, 669
Teshima, S-I. 71B, 373
Thomas, M. L. 73A, 691
Thompson, J. R. 72A, 697
Thompson, A. B. R. 72A, 225
Timm, S. L. 71B, 397
Tomchaney, A. 73A, 545
Tort, L. 72C, 145
Tota, B. 71B, 71
Treacy, G. B. 73B, 983
Trevisani, A. 72C, 33
Tsuchiya, T. 71B, 507
Tu, A. T. 72C, 103; 73B, 459
Tullet, S. G. 72A, 529
Turvey, A. 72A, 205
- Uchiyama, S. 71B, 735
Umezurike, G. M. 71B, 181
Ureta, T. 71B, 549
Usherwood, P. N. R. 72C, 1
- Vadasz, I. 71A, 47
Vallarino, M. 71A, 449
- Steers, E. Jr. 71B, 217
Steinberger, Y. 71A, 41
Stern, J. S. 72A, 333
Stevens, E. D. 73B, 631
Stipanuk, M. H. 73B, 595
Storey, K. B. 73B, 521
Streit, B. 72A, 445
Sueoka, T. 71B, 33
Sugimoto, K. 73A, 361
Sutcliffe, N. H. 72A, 77
Suzuki, N. 72A, 489
Sweeny, P. R. 72A, 383
Swift, D. J. 72A, 679; 73A, 229
- Tagaya, H. 71A, 79
Takada, Y. 72B, 597; 73B, 189
Takeda, T. 73A, 151
Takeuchi, H. 72C, 225; 73C, 339, 403
Tancredri, V. 73C, 1
Tappel, Al. L. 73B, 945
Tauber, J. D. 72B, 157
Taylor, P. 73A, 187
Taylor, S. M. 72C, 39
Tempel, G. E. 73C, 377
Terra, W. R. 73A, 373
Thabrew, M. I. 73C, 289
Thomas, W. E. 72C, 121
Thompson, S. N. 71B, 127; 72B, 13, 233
Thurberg, F. P. 72A, 621
Tindall, P. A. 72A, 659
Tonkin, A. L. 72A, 327
Toskes, P. P. 72C, 109
Townsel, J. G. 72C, 121
Trede, G. 73B, 405
Tskhovrebova, L. A. 73B, 655
Tsugawa, K. 73A, 431
Tuchs Schmid, C. R. 72B, 353
Tuohimaa, P. 71A, 389
Tuurala, H. 71C, 7
- Uematsu, K. 72A, 591
Unno, M. 73B, 189
Uruena, G. 71C, 95, 107, 145; 73C, 67, 177
Uva, B. 71A, 449
- Stefano, G. B. 71C, 209; 72C,
Stella, A. M. 72B, 663
Stern, S. 73A, 417
Stillway, L. W. 71B, 111
Stonik, V.A. 71B, 325
Stoyanov, I. N. 71C, 127
Sturbaum, B. A. 72A, 615
Sugik, H. 72A, 623
Sunderland, A. J. 73C, 347
Sutter, M. A. 73C, 435
Suzuki, T. 71A, 79
Swenson, E. R. 73B, 937
- Taha, H. M. 72A, 541
Takahashi, S. Y. 72B, 511
Takei, Y. 71A, 485
Taniguchi, M. 73A, 455
Tappel, M. E. 73B, 945
Taylor, A. C. 72A, 683
Taylor, R. C. 72A, 339, 349
Taylor, W. J. 73A, 703
Terblanche, S. E. 71A, 369
Terwilliger, R. C. 73A, 497
Thomas, D. H. 71A, 527
Thompson, J. 71A, 107
Tillinghast, E. K. 72A, 99
Tirri, R. 73C, 399
Torrans, E. L. 71C, 183
Tosti, E. 73C, 91
Trainer, D. G. 72A, 99
Trepel, J. B. 71B, 333
Tsokos, J. 73B, 923
Tsukuda, H. 73B, 607
Tuck, M. G. 72A, 77
Turner, A. C. 73B, 331
Tyler, M. J. 73A, 187
- Umebachi, Y. 73B, 235
Urbanowski, J. C. 72B, 695
Vall, M. 71A, 231
van Bockxmeer, F. M. 71A,

- 211
73B, 965
297
73B, 709
Van Praet, M. 72A, 523
van Waarde, A. 71B, 599; 72B, 133
Van Zeveren, A. 73B, 977
543; 73A, 379
Vassileva, P. V. 71C, 127
Vasta, G. R. 73B, 887
Veerkamp, J. H. 73B, 535
Vendrely, R. 72A, 741
Vernon, R. G. 72B, 169, 453
Vieira, M. L. C. 73A, 197
Viviani, R. 73B, 211
Vondracek, B. 73A, 11
Vorwald, S. R. 71C, 107
- Wachtler, K. 72C, 357
Waldrup, T. 73B, 591
Walker, E. 73B, 385, 701
Wall, T. J. 73A, 63
Ward, R. D. 72B, 669
Warr, G. W. 73B, 887
Wassermann, G. F. 72A, 607
Waterman, M. R. 73B, 585, 591
Watt, D. D. 71A, 375
Wdzieczak, J. 73B, 361
Weber, L. J. 72A, 469
Weil, M. R. 73A, 73
Wells, R. 73B, 991
Wertz, P. W. 73B, 239
Wheeler, A. P. 71B, 629
Whittow, G. C. 72A, 29
Wijsman, T. C. M. 71B, 293
Willcockson, W. S. 72C, 101
Williams, R. J. 73A, 621
Winlow, W. 73A, 303; 73C, 95
Wolos, A. 71A, 145
675
Wujec, E. 73B, 361
Wyld, J. A. 73B, 313
- van der Laak, S. 73A, 613
Van der Weghe, A. 73B, 977
Van Dort, T. 71B, 475
van Groen, T. 71C, 159
van Rheenen, J. W. A. 72B, 683
- Varela, G. 72A, 693
Vargha, P. 73B, 357
Vassilev, V. I. 71C, 127
Vaughan, M. K. 71A, 299, 615
Veldsema-Currie, R. D. 71C, 159
Verbrugghe, C. 72A, 319
Viarengo, A. 71C, 21
Vigh, D. A. 72A, 365
Vogel, W. H. 71C, 115
Voogt, P. A. 72B, 683; 73B, 965
Voshell, J. R. Jr. 71A, 401
- Wakil, S. J. 71B, 577
Walfish, S. 73A, 181
Walker, R. J. 71C, 229; 72C, 391; 73C, 71, 167, 347, 439
Walton, M. J. 73B, 59, 393
Ward, W. W. 72B, 77
Waser, P. G. 72C, 363
Wasternack, C. 71B, 483
Waters, A. D. 72C, 257
Watts, S. A. 72B, 461; 73B, 881
Webb, G. P. 72A, 211
Weekes, T. E. C. 73A, 389
Weinstein, W. M. 72A, 225
Wells, R. M. G. 71B, 469; 72B, 689; 73A, 491
West, C. E. 71B, 669
Wheldrake, J. F. 72A, 327
Wiederhielm, C. A. 71A, 249
Wilde, D. W. 73C, 45
Willhite, C. 72A, 255
Wilson, W. A. Jr. 71C, 249
Wolff, D. 71C, 131
Woodward, C. J. H. 71B, 669
Wrona, F. J. 71A, 243
Wulff, P. 71B, 523, 525
Wyse, G. A. 73A, 503
- van der Plas, A. J. 71B, 379;
Van der Westhuyzen, J. 73B,
Vanfleteren, J. R. 73A, 283;
van Holde, K. E. 73B, 1013
- Vanzanella, F. 71B, 281
Vargas, A. M. 71B, 65; 72B,
Vaskovsky, V. E. 72B, 137
Vassy, R. 71B, 545
Veenendaal, R. L. 72C, 303
Vernet, R. 72A, 65
Vieira, H. F. 73A, 197
Vinhko, V. 71B, 23
von der Decken, A. 72B, 187
Vranckx, R. 71B, 155, 165
- Waksman, N. 72B, 313
Walker, C. H. 73C, 211, 463
Wampler, J. E. 71A, 599
Warner, T. 73B, 613
Washio, H. 72C, 369
Watanabe, T. 73B, 3
Watkins, J. C. 72C, 211
Webb, J. 72A, 307
Weekley, L. B. 72A, 747
Weiss, B. A. 71B, 345
Wheal, H. V. 73C, 71
White, A. 73C, 195
Wiggins, D. 72B, 565
Wilhm, J. 73A, 719
Williams, G. H. 71B, 535
Winkler, I. 73B, 283
Wollert, U. 72C, 117
Wright, A. 72A, 663; 73A,
Wu, P. H. 72C, 179
Wyatt, R. J. 71B, 333
- Yagil, R. 71A, 99; 72A, 43; 73A, 175, 181
Yamada, Y. 71B, 367
Yamamori, K. 72A, 591
Yamane, S. 72A, 709
Yasumura, Y. 71B, 735
- Yamaguchi, K. 71A, 139; 72A, 359; 71B, 7
Yamamoto, N. 73C, 339, 403
Yano, I. 73A, 167
Yatani, A. 72C, 403
- Yamada, I. 71B, 373
Yamanaka, H. 71B, 29
Yardley, D. G. 73B, 243
Yeomans, N. D. 72B, 145

Yokota, Y. 71B, 563
Young, S. D. 72B, 465
Yurgens, P. B. 71C, 107

Yong, H. S. 73B, 265
Youngson, A. 73B, 393

Young, A. M. 73B, 797
Youson, J. H. 72B, 521

Zachariassen, K. E. 73A, 517, 557
237, 243; 73B, 997
Zamora, S. 71A, 329; 71B, 65
91
Zaroogian, G. E. 71B, 643
Zigman, S. 73B, 791
Zubkoff, P. L. 72B, 577; 73B, 931
Zydowo, M. 73B, 697

Zak, Z. 73B, 341
Zandee, D. I. 73B, 673
Zanuy, S. 72A, 11
Zebe, E. 72B, 613
Zlotkin, E. 71C, 177

Zagalsky, P. F. 71B, 235,
Zalen'a, G. 73B, 361
Zanetti, L. 71B, 281; 73C,
Zar, J. H. 73B, 613
Zielinska, Z. M. 71A, 333
Zollo, F. 71B, 285
Zubor, V. 71B, 141

SUBJECT INDEX

Volumes 71-73 A, B and C inclusive, 1982

- A₁ and β adrenoceptor, 71C, 15
- Acclimation, 71B, 695
- Acclimation temperature, 72B, 59; 73B, 631
- Acclimatization, 72B, 31
- Acetate biosynthesis, 73B, 617
- Acetylcholine receptor, 72C, 121
- 73C, 33
- Achatina achatina, 71B, 181
- Acholeplasma laidlawii, 72A, 405
- Acid-base balance, 71A, 519
- Acid exposed populations, 72A, 515
- Acid phosphatase, 71B, 563, 657; 72B, 581
- Aconitase, 72B, 321
- ACTH, 72A, 195, 679
- α -Actinin, 73B, 655
- Actinia equina, 72A, 523
- Acyl-CoA hydrolases, 72A, 313
- Acylglycerol glycerol synthesis, 72B, 169
- Acyl moieties, 73B, 685
- Acyrtosiphon magnoliae, 72B, 239
- Adenine, 71B, 483
- Adenochrome, 71B, 297
- Adenosine kinases, 71B, 367
- Adenylate cyclase, 71B, 19; 73B, 751
- Adenylate energy charge, 71A, 357; 72A, 295
- Adrenal hormones, 73C, 195
- Adrenal morphology, 73A, 485
- 73A, 379
- Adrenergic control, 73C, 399
- Aedes aegypti, 73B, 457
- Aedes mosquitoes, 73B, 747
- Aging, 71A, 369; 72C, 349; 73A, 283
- Airways, 72C, 189
- Albumins, 71B, 403
- Alcohol dehydrogenase, 71B, 387; 72B, 517; 73B, 411
- Aldehyde oxidase, 71B, 387; 73B, 615
- Aldolase, 73B, 221
- Alkalines, 71B, 739
- Alkaline phosphatase, 72B, 141, 221, 325; 73B, 761
- Alkaline proteinases, 71B, 501, 663; 73B, 785
- Allopora californica, 71B, 253
- Allopurinol, 73C, 57
- Acanthamoeba castellanii, 71B, 495
- Acclimation salinity, 72A, 497
- Acclimation time, 73A, 69
- Acetate, 71B, 473
- Acetylcholine, 72C, 387; 73C, 17, 85, 253
- Acetylcholinesterase, 71C, 119; 72C, 59, 101;
- β -N-acetyl-D-glucosaminidase, 73B, 399
- Achatina fulica, 72C, 225; 73C, 339
- Acid-base, 72A, 319; 73A, 57
- Acid/base regulation, 73B, 93
- Acidity, 73A, 437
- Acid-solution phosphates, 73A, 111
- Acropora acuminata, 73A, 41
- Actin, 72B, 473
- Actomyosin, 72B, 303
- Acylcarnitine, 72B, 457
- Acyl-CoA oxidase, 72B, 669
- Acyl-L-carnitine hydrolases, 72A, 313
- N-acyl phosphatidyl ethanolamine, 73B, 873
- Adductor muscles, 73B, 655
- Adenine nucleotide, 71B, 643; 72B, 165
- Adenosine, 71B, 483; 72C, 179
- Adenosine triphosphatase, 71B, 495
- Adenylate deaminase, 71B, 605
- Adrenal gland, 72A, 259
- Adrenal medulla, 72A, 279
- Adrenaline, 71A, 353; 72A, 697; 72C, 107, 141;
- Adrenergic activation, 71C, 111
- Adrenergic neurons, 72C, 289
- Aedes albopictus, 73B, 265
- Aflatoxicosis, 73C, 289
- Agkistrodon acutus venom, 72C, 103
- Alanine aminotransferase isoenzymes, 71B, 141
- Alces alces L. 72A, 669
- Aldehyde resource utilization, 71B, 387
- Alimentary canal, 71C, 127
- Alkaline lake, 73A, 437
- Alloporin, 71B, 253
- Alpha-amylolysis, 72B, 317

Alpha-glycoprotein, 72B, 215
 Amide synthetases, 71B, 599
 Amine receptor, 73C, 347
 73B, 491, 845
 Amino acid concentrations, 73A, 441
 Amino acid pool, 71A, 591
 Amino acid uptake, 72A, 607
 δ -Aminolevulinate synthase, 71B, 539
 Amitraz, 73C, 419
 Ammonia, 72A, 697
Amnospermophilus leucurus, 73B, 1019
Amoeba proteus, 72B, 641
 AMPA, 73C, 439
 Amphetamine, 71C, 249
 Amphibians, 73A, 111, 427
 Amphipods, 71A, 349
 Amygdaloid or cortical facilitation, 73A, 355
 Amylase, 72A, 267, 523; 73B, 571
 Amylase system, 73B, 243
 Anabolic agents, 73B, 143
 Anaesthesia, 72C, 141; 73C, 1, 271
Anas platyrhynchos, 72A, 663; 72C, 83; 73A, 675
 Androgens, 71A, 113; 73A, 73
 Angiotensin II, 71A, 485
 1-anilino-8-naphthalene sulfonate, 73C, 369
Anodonta cygnea, 71C, 209
 Antifreeze agents, 73A, 545, 627
Antrozous pallidus, 71A, 249
Aplysia californica, 71C, 249
Aplysia juliana, 72A, 721
 Apoprotein, 73B, 997
 Aquatic respiration, 72A, 683
 Arginase, 73B, 215
 Aridity, 72A, 703
Artemia, 71B, 317
Arvicola terrestris, 72A, 535
 Ascidians, 72A, 455
 Aspartate aminotransferase, 71B, 187
 Associative learning, 73A, 151
Astacus leptodactylus, 71B, 155, 165
Asterias bispinosa, 72B, 141
 965
 Astraxanthin-protein, 73B, 997
 Atherosclerosis, 73B, 669
 ATPase, 71C, 63; 72A, 637, 405; 73C, 101
Atta laevigata, 71A, 419
Austropotamobius pallipes, 72A, 73
 Avian egg surface area, 73A, 101
 Amidases, 71B, 599
 Amines, 72C, 113, 281; 73C, 17, 303, 361
 Amino acids, 71A, 23; 71B, 357, 695; 72B, 659;
 Amino acid compositions, 73B, 301
 Amino acid nutrition, 73B, 17
 Amino acid transport, 73A, 143
 2-Amino isobutyric acid, 72A, 85
 4-Aminopyridine, 73A, 303
 Ammonoetes, 72A, 307
 Ammonia excretion, 73A, 417
Amoeba indica, 72B, 641
Amolyomma americanum, 72C, 9
 AMP-deaminase, 72B, 123, 127
 Amphibia, 73A, 187
Amphibola crenata, 73A, 395, 401
 Amygdaloid-induced jaw opening, 73A, 349
Amylase of D. pseudoobscura, 73B, 243
 Amylolytic activity, 72A, 99
 Anaerobic metabolism, 72B, 613
Ararbylus switaki, 71A, 119
 675
 Angiotensin, 73C, 45; 73B, 189
Anguilla anguilla, 72C, 141
Anodonta cataracta, 71B, 629
Antheraea, 71B, 569
 Antigenic structure, 72B, 445
Aplysia, 71A, 585
Aplysia eye, 73C, 27
 Apomorphine, 73C, 403
Apterix australis, 72B, 161
Arenicola marina, 73A, 663
 Arginine vasotocin, 71A, 299
Arion ater, 73A, 217
Artemia salina, 71B, 89
 Arylhydrocarbon hydroxylase, 73B, 669
 Aspartate, 72C, 241
 Assimilation, 72A, 221
Astacus astacus, 72A, 17
 Astaxanthin-proteins, 71B, 235, 243
Asterias rubens, 71B, 379; 72B, 683; 73B, 685,
 Asterosaponins, 72B, 683
Astyanax mexicanus, 73A, 125
 Atlas moth, 73B, 797
Atta cephalotes isthmicola, 71B, 345
Atta sexdens rubropilosa, 71A, 419
 Avarol, 71B, 281
 Avian middle ear, 71A, 619

- Avidin, 71A, 389
 Axons, 73C, 353
- Ba²⁺, 71A, 29
Balanus balanoides, 72B, 329
 Beaver, 73A, 249
 Behavioural adaptations of birds, 71A, 557
 Beta-alanine, 72B, 173
 Bicarbonate, 72A, 765
 Biliary lipids, 73A, 193
 Biogenic amines, 72C, 113, 281; 73C, 17
 Bioluminescence, 71A, 599
Biomphalaria alexandrina, 71B, 289
 Birds, 71B, 313
 Bitter stimuli, 73A, 361
 bLH, 73A, 73
 Blood chemistry, 72A, 161
 Blood energy substrates, 71A, 627
 Blood indices, 71A, 237
 Blood pressure, 72A, 23, 697; 72C, 153
 Body size, 73A, 63
 Body weight, 71A, 401; 73A, 105
Bombyx mori, 71A, 445; 72A, 359; 71B, 569, 663
 Bone, 73A, 691
 Bone mineralisation, 72A, 43
 Bovine liver, 71B, 321
Bradypus tridactylus, 73A, 697
 751
 Bromocriptine, 73C, 403
 Brown fat, 73B, 613
Buccinum undatum, 71A, 439
Bufo woodhousei, 71A, 293
Bulinus truncatus, 71B, 289
Bunodosoma caissarum, 73C, 415
 Burst-firing inhibition, 71C, 249
 Butyrate, 73A, 237
 Butyrylcholinesterase, 73C, 33
- C57BL/KsJ,db/db, 72A, 279
 Cadmium, 71A, 47, 375; 73A, 217; 73C, 135; 73B, 555
 Caecum, 73A, 459
 709
 Calcification, 73A, 41
 231; 73A, 147, 217, 463, 469; 73C, 9
 Calcium-binding protein, 71B, 651
 Calcium fluxes, 72A, 199
 Calcium movements, 71A, 425
Callinassa californiensis, 72B, 613
- Axinella camicornis, 71B, 285
- Baboons, 71C, 89
 Bat, 71A, 249
 Beet armyworms, 71A, 193
 Benzo(a)pyrene, 73C, 285
 bFSH, 73A, 73
 Bile pigments, 73B, 501
 Bioenergetics of salmonid fishes, 73B, 25
 Biogenic amino acids, 73C, 23
 Bioluminescent jellyfish, 72B, 77
Biomphalaria glabrata, 73B, 251, 405
 Bis-phosphatidic acid, 73B, 873
 Bivalves, 71C, 57
 Blood, 71B, 201
 Blood coagulation, 71A, 219
 Blood flow, 71C, 37; 72A, 125, 157
 Blood packed cell volume, 72A, 105
 Blood venting, 72C, 53
 Body vibration, 72A, 591
Boltenia ovifera, 72A, 161
- Bone development, 71A, 383
Bos taurus, 71B, 489; 72B, 415
Brachydanio, 71B, 193
 Brain, 71C, 83, 95; 71B, 141; 73A, 81; 73B,
 Brain slice, 72C, 171
 6-bromo-N-methyl-N-formyltryptamine, 71B, 523
 Brush border, 73B, 491
Bufo marinus, 73B, 991
Bufo paracnemis, 73A, 197
 Bullfrog tadpoles, 71A, 309
Bunodosoma cavernata, 72A, 595, 731
Busycon canaliculatum, 72C, 329
 β -OH-butyrate, 72A, 433
- Cacatua roseicapilla, 72A, 1
- Caenorhabditis elegans, 73A, 283; 73B, 517,
 Calciferous gland, 73A, 207
 Calcium, 71A, 29; 72A, 43, 365, 709; 72C, 1,
 Calcium ATPase, 72B, 289
 Calcium concentration, 71A, 309
 Calcium-modulator protein, 71B, 515
 Calcium regulatory systems, 72A, 709
Callinectes sapidus, 71A, 407; 72A, 365

- Calliphora, 72B, 339
Calliurichthys doryssus, 71B, 29
Camelus dromedarius, 71A, 199
cAMP-binding protein, 73B, 465
555
Canis familiaris, 72A, 765
71B, 501
Captive fish, 73B, 125
Carassius auratus L. 71A, 175; 71B, 113, 271; 71C, 145; 72B, 133, 417; 73C, 177
Carbamates, 73C, 253
Carbon dioxide treatment, 71A, 53
587; 72B, 445; 73B, 937
Carcinogens, 73C, 435
Cardiac function, 72A, 455
Cardiovascular function, 72A, 327
Carnitine, 72B, 457
Carnosine, 71A, 145
651
Carotenoprotein complexes, 72B, 705
Catalase, 73B, 361; 73C, 411
Catecholamine-sensitive adenylate cyclase, 73C, 181
Cathespin B and H, 73B, 231
Catostomus tahoensis, 73A, 11
Caudal photoreceptor, 72A, 17
Caudate nucleus, 73C, 323
Cell age, 71B, 1
709
Central nervous system, 71C, 195, 229; 72C, 161, 211
Centropages furcatus, 72B, 409
Ceratitis capitata, 71B, 19; 72B, 531; 73B, 465, 475, 751, 835; 73C, 335
Cerebrospinal fluid, 73A, 327
Changes, 72A, 319
Chemical control of feeding, 73A, 89
Chemotaxonomists, 72B, 255
Chick(s), 71B, 617, 743; 72A, 115; 72B, 493
Chicken embryos, 71B, 689; 73B, 341
Chicken liver, 72B, 565
Chick skeletal muscle, 73C, 181
Chipmunk, 71A, 85
Chironomus tentans, 73A, 719
Chitin, 72A, 365
Chloragosomes, 73A, 207
Chloride, 72A, 765
Chloroethyl-acetylcholine, 72C, 101
Cholera toxin, 73C, 383
Cholesterol, 73B, 681
Cholesterol acyltransferase, 73B, 681
Cholesterol esterification, 73B, 771
Calliphora erythrocephala, 72B, 569
Calmodulin-activated protein kinase, 73B, 509
cAMP, see cyclic AMP
Cancer pagurus, 72A, 401; 72B, 393; 73B, 547,
Cat, 71B, 13; 73B, 595
Capillary thin layer isoelectric focusing,
Capra hircus, 72A, 765; 72B, 453
Carapace, 71B, 243
Carbaryl, 73C, 201
Carbonic anhydrase, 71A, 175, 317; 72A, 429,
Carbonic anhydrase III, 73B, 971
Carcinus maenas, 72A, 391
Cardiac muscle, 73A, 463, 469
Carduelis tristis, 72A, 715
Carnosinase, 71A, 145
Carotenoids, 71B, 7, 249, 253; 72B, 409, 427,
Carotenoid esters, 72B, 157
Carp, 72B, 31
Catecholamine, 71C, 37, 115
Cation concentrations, 71A, 445
Cattle, 73B, 543
Caudate neuronal response, 73C, 205
C. briggsae, 73B, 517
Cell-free protein synthetic activities, 71B,
Centrally generated motor activity, 72A, 401
Cephaloscyllium, 72B, 689
Ceruleoplasmin, 71B, 309
Chaoborus punctipennis, 73A, 719
Chemical defense, 73B, 471
Cherax destructor, 73B, 983
Chickens, 71A, 125; 72A, 575
Chicken heart, 71B, 187
Chicken tissues in culture, 71A, 389
Chione stutchburyi, 73C, 243
Chironomus riparius, 73A, 719
Chiroptera, 71A, 71
Chlamydomonas reinhardtii, 73A, 95
Chlordimeform, 73C, 145
Chloride uptake, 73C, 141
Chloroquine, 73C, 109
Cholesterogenic, 71B, 743
[4-¹⁴C]cholesterol, 72B, 153
Cholesterol esterase, 72B, 157
Cholesteryl ester, 71B, 265

- Choline, 72B, 493
 Cholinergic transmission, 73C, 451
 Chromosomal proteins, 72B, 531
 Chromatophores, 71C, 1
 Chronic exposure, 71A, 615
Chrysemys dorsibigni, 72A, 607
Cibacron Blue, 71B, 403
 Circannual rhythm, 71B, 409
 Citrate synthase, 72B, 165
 C_{18} juvenile hormone, 71A, 333
Clavelina huntsmani, 72A, 455
 Cl^-/HCO_3^- -ATPases, 71C, 43
 Clotting processes, 72A, 741
 Cobalamin deficient bat brain, 73B, 297
 Cobalt filling, 73A, 47
 Coelomic fluid, 73C, 223
 Cold acclimation, 73A, 383, 431; 73C, 377
 Cold hardiness, 73A, 563, 581, 595
 517-640
Coleonyx, 71A, 623
 Colloid osmotic pressure, 71A, 249, 337
 Colostomized ducks, 73A, 675
Coluber constrictor, 73A, 57
Concholepas concholepas, 72B, 65
 Cooking-smoke, 73A, 181
 Cooling probe, 72A, 659
 Copper-deficient steer, 73C, 37
 Copper tolerance, 72C, 15
Coptotermes, 71B, 731
Coregonus peled, 72A, 637
 Corpus luteum, 72C, 113; 73A, 485
Coturnix coturnix, 73B, 693
 205
 Crab neuromuscular junction, 73C, 71
Crassostrea virginica, 71A, 591; 71B, 531, 643, 669; 72B, 321, 577
 Crayfish, 71A, 357
 249
 Crinoids, 71A, 303
 Crustacean meropodite-carpopodite chordotonal organ, 72A, 579
 α -crustacyanin, 71B, 237; 73B, 997
 Crustecdysone, 73B, 603
 Cultivated salmonids, 73B, 43
 Cuticular hydrocarbons, 73B, 275
 Cyclic AMP, 71A, 65; 71B, 417; 71C, 165; 72C, 33, 125; 73A, 379
 Cyclic GMP, 71C, 165
 Cyclic nucleotide-dependent protein kinases, 73B, 465
 Cynomolgus monkeys, 71C, 89
Cyprinus carpio, 71A, 157, 165; 72A, 753; 72B, 367; 73A, 273
 Cholinergic system, 72C, 357
 Cholinesterase, 71C, 27; 73C, 415
 Chromatin, 71B, 145
 Chromosomal proteins, 73B, 709
Chrysaora quinquecirrha, 72B, 93
 Chymotrypsin, 72A, 523; 73B, 631
 Ciliated tissue, 71C, 57
 Circannual rhythm, 71B, 409
 Citric acid cycle, 73B, 957
 Clam, 71B, 111
 Claws, 71B, 623
 Cloacal water, 73A, 675
 Coagulations, 72A, 741
 Cobalt chloride backfilling, 72A, 349
 Coelomic chloride, 72A, 263
 Cold, 71A, 59
 Cold exposure, 72A, 437; 73C, 319
 Cold-Hardiness in Poikilothermic Animals, 73A,
 Cold-hardy insects, 73A, 557
 Collagen, 72A, 383; 72B, 465; 73B, 335
 Colon, 73A, 459
 Colostomy, 72A, 663
 Comparative isozymology, 71B, 549
 Contractile proteins, 73B, 575
 Cooling, 72A, 377; 73B, 951
 Copper, 72C, 15, 21; 73B, 555; 73C, 395
 Copper metabolism, 71A, 341; 73B, 555
 Coprodeum, 72A, 689
Corbicula fluminea, 71A, 325
Cornitermes, 71B, 731
 Costal cartilage, 71B, 41
Coturnix coturnix japonica, 71A, 313; 72A,
 Cow, 72A, 575
Crassostrea gigas, 71B, 201; 72B, 631
 Crayfish neuromuscular junction, 72C, 237,
 Crayfish second antennae, 72A, 339, 349
Crithidia fasciculata, 71B, 611; 72B, 165
 Crustacyanin, 71B, 249
 Cultivated salmonids, 73B, 43
 Cuticular alcohols, 73B, 797
 Cyanogenic glucosides, 71B, 329
 Cyclic nucleotide, 71A, 205; 72C, 129, 197
 Cyprinid, 72A, 55

- Cysteine desulfhydration, 73B, 595
Cytochrome, 71A, 149; 72B, 481
277
- Daily rhythms, 72A, 255
D-amphetamine, 71C, 249
Daphnia magna, 72A, 247, 599; 73A, 239
DDE, 71C, 131
Dead Sea, 71A, 99
Dehydrogenases, 72B, 359
Desialylated erythrocytes, 71B, 545
Detoxification, 72C, 21, 75
developmental stages, 72B, 377
D-Galactose, 73B, 725
Diabetic, 72A, 433
Diapause proteins, 72B, 345
Dicentrarchus labrax, 72A, 11
Didelphis albiventris, 72B, 149
Dieldrin effects, 71C, 77
Diet, 71A, 445; 72A, 627; 72B, 179; 73B, 761
Dietary protein, 73B, 51
Digestion, 72A, 77, 611; 72B, 303
Digestive fluid, 71B, 663
Digestive physiology, 71A, 1
Dik-Dik, 73A, 21
Dipeptidyl aminopeptidase, 71B, 23
Dipodomys panamintinus, 71A, 237, 579
Dirofilaria immitis, 73B, 331
Dishabituation, 71A, 585
Diurnal variations, 72A, 11
DNA/DNA reassociation kinetics, 72B, 385
2, 4-DNP, 71A, 47
Dogfish gill tissue, 72C, 145
5-OH-Dopa, 73C, 23
403, 423
Dopamine receptor, 71C, 57
Dopamine sensitive adenylate cyclase, 72C, 9
Drinking capacity, 73A, 297
Drosophila mettleri, 71A, 413
Drownings, 71A, 99
Dysidea avara, 71B, 281
- Earthworm, 73A, 207
Ecdysterone, 71B, 301
Echinaster, 72B, 461
Echinoderms, 71B, 105, 325; 72B, 283; 73C, 41
Ectothermic enzymes, 72B, 49, 59, 201
Egg, 71A, 313; 72A, 29
5-S-cysteinyl-dopa, 73C, 23
Cytochrome P-450, 71B, 431, 437, 445; 73C,
Cytosol, 73B, 57
- D-amino acid oxidase, 71B, 735
Daphnia ambigua, 71A, 137
D-aspartate, 72C, 241
DDT, 71C, 131; 72C, 27
Dehydration, 72A, 301
Denervation supersensitivity, 72C, 353
Desmodus rotundus, 73A, 421
Developmental changes, 73B, 305
Dexamethasone, 72A, 559
D-(-)-3-hydroxybutyrate, 72B, 415
Diabetic mouse, 72A, 279
Diatraea grandiosella, 71B, 637; 72B, 153
Diceros simus, 72A, 77
Didelphis virginiana, 73B, 585, 591
Diester wax, 72B, 161
- Dietary protein levels, 73C, 13
Digestive enzymes, 71B, 105
Digestive gland, 71C, 21
Digestive tract, 72A, 55
7,12-dimethylbenz(a)anthracene, 73C, 445
Diphosphoglycerate, 72A, 133
Dipsosaurus dorsalis, 72A, 221
Disaccharidases, 71A, 199; 71B, 105
Dissolved organic, 71A, 453
DNA, 72B, 641; 73B, 839
DNA synthesis, 73B, 603
Dogfish, 73C, 45
DOPA, 71C, 195
Dopamine, 71C, 57, 215; 72C, 125; 73C, 119,
Dopamine- α -hydroxylase, 71C, 191
Dopaminergic autoreceptors, 73C, 157
- Drosophila, 71B, 387; 73B, 243, 529
Drowning in the sea, 73A, 175
Ducks, 71B, 139; 72A, 463
Dystrophic muscles, 73C, 33
- Earthworm neurobiology, 73A, 641
Echinaster sp. 73B, 881
Echinococcus granulosus, 72B, 449
- Eels, 71C, 115
Egg jelly extracts, 72A, 489

- Egg jelly peptides, 72A, 489
 Egg surface areas, 73A, 301
 Electrically coupled stomatogastric neurons, 73A, 395
 Electrolyte absorption, 73A, 459
 Electrolyte excretion, 73A, 675
Embiotoca lateralis, 73A, 497
 Emu, 73A, 129
 Endocrinology, 71A, 537
 Endotoxin, 73C, 195
 Energetic components, 72B, 439
 Enzymes, 71A, 255
Eptesicus fuscus, 73B, 1001
 ERG, 72C, 109
 Erythrocytes, 72A, 693, 737, 753; 72B, 77, 333, 541; 73A, 243, 431, 455; 73B, 309, 591, 725
 Esterase-22, 73B, 719
 Esterase variation, 73B, 347
 Ethyl-p-chlorophenoxyisobutyrate, 73C, 335
Euchaeta russelli, 72B, 409
 Eukaryote evolution, 73B, 423
 623; 73A, 233
 Excretion, 72A, 673
Exeristes raborator, 71B, 127
 Exudation, 72C, 45
 Fasting, 73B, 957
 Fasting response, 71A, 231
 Fatty acids, 71B, 119, 359, 397; 72A, 497; 72B, 169, 453; 73B, 367, 565, 613
 Fatty acid accretion, 72B, 195
 351, 517
 Fatty acid oxidation, 72B, 669
 Feeding, 72A, 11, 115
Felis domestica, 71B, 13; 73B, 595
 Fibre diameters, 72A, 669
 Fibrinolysis, 71A, 219
 Firefly lantern, 72C, 125
 Fish acid/base regulation, 73B, 93
 Fish anabolic agents, 73B, 143
 Fish Bioenergetics, 73B, 25
 Fish - captive, 73B, 125
 Fish gas transfer, 73B, 93
 Fish Intermediary metabolism, 73B, 59
 Fish muscle, 73B, 105
 Fish Osmotic regulation, 73B, 125
 Fish ration size, 73B, 81
 Fish Temperature, 73B, 81
 Fish Vitamins required, 73B, 43
 Flounder, 73C, 457
 Eggshell porosity, 72A, 529
Eimeria stiedai, 73B, 221
 Electrolyte changes, 71A, 157
 Electromyographic correlates, 73A, 159
 Embryo cartilage, 73B, 41
 Endocrine control, 73A, 669
 Endothermy, 73A, 253
 Energetics, 71A, 457; 73B, 81
 Energy exchange, 72A, 715
 Epidermal structures, 73B, 313
Equus caballus, 73B, 375
Erinnyis ello, 73A, 373
Etmopterus spinax, 71C, 191
Euglena gracilis, 71B, 483
 Evaporative water loss, 71A, 495, 557, 579,
 Excitatory amino acid receptors, 72C, 211
 Exercise, 72A, 437
 Exocrine pancreas, 73A, 447
 Eye lens nucleus, 71B, 723
 Fasting-induced torpor, 72A, 211
 Fat body, 73C, 331
 Fatty acid composition, 73A, 167; 73B, 297,
 Fatty acid deficiency, 71A, 383
 Fatty acid synthetase, 71B, 577
 Feeding stimulants, 72A, 133
 α -fetoprotein, 73B, 823
 Fibre distribution, 72A, 669
 Fibroblast cells, 71A, 333
 Fish, 71B, 7: 73B, 361: 72C, 289
 Fish Amino acid nutrition, 73B, 17
 Fish Biochemistry, 73B, 1-180
 Fish brain, 72B, 659
 Fish culture, 73B, 143
 Fish Growth, 73B, 81
 Fish Lipid nutrition, 73B, 3
 Fish neutered, 73B, 177
 Fish Protein in diet, 73B, 51
 Fish steroids, 73B, 143
 Fish thyroid, 73B, 143
 Flavokinase, 73B, 341
Flustra foliacea, 71B, 523

- Flustramide A, 71B, 523
 FMRFamide-like peptide, 72C, 325
 Folate-metabolizing enzymes, 71B, 351
 Food intake, 73A, 279
 Foregut, 73C, 297, 303
Formica polyctena, 73B, 283
 Free amino acids, 72A, 541, 753; 73B, 405, 641
 Freezing injury, 73A, 621
 Freezing-tolerant insects, 73A, 605
 Frog skin, 72A, 727
 Frog tongue, 73A, 361
Fundulus heteroclitus, 73A, 25
 Furazolidone-induced cardiomyopathy, 72C, 137
 Furosemide, 71C, 43

 GABA, 71C, 169, 229; 73C, 141, 431
 Galactose, 73B, 725
 Gallbladder bile, 73B, 501
 205, 251, 529; 72C, 27; 73A, 297; 73C, 389
 Gamaglobulin, 73A, 105
 Gas tension, 71A, 313
 Gastric mucosa, 72B, 145
 Gastrocnemius, 72A, 243; 73B, 635
Gecarcinus lateralis, 72A, 683
Geotria australis, 72A, 307
 Gestation, 72C, 363; 73A, 327
 Giant neurons, 71A, 283
 Gill resistance, 71C, 7
 Glucagon infusions, 72A, 433
 Gluconeogenesis, 73A, 379
 Glucose, 71A, 231; 71B, 127, 293; 71C, 131; 72A, 85, 603, 697; 73B, 803
 Glucose-6-phosphate, 71B, 193
 Glucosephosphate isomerase, 73B, 265, 451
 Glucuronidation, 71B, 527
 Glutamate agonists, 73C, 167
 Glutamate inhibitors, 72C, 249
 Glutathione peroxidase, 73B, 945
 Glycerate-2, 3-P₂, 71B, 591; 72B, 39
 fibre, 72A, 623
 Glycerolipids, 73B, 367
 385
 Glycogen, 72B, 233; 73B, 803
 Glycogen metabolism, 71B, 689
 Glycoge-protein, 72B, 317
 Glycolysis, 72B, 295
 Glycosaminoglycans, 73B, 857
 Gloxylate aminotransferase, 72B, 597
 Goat, 71A, 317

 FMRFamide, 71C, 101; 73C, 17
 Foetal lambs, 72B, 169
 Folic acid, 71C, 239
 Food utilization, 71A, 395
 Formamidine pesticides, 73C, 331
 Fox, 72A, 575

 Freezing tolerance, 73A, 571, 613
 Frog, 71B, 431, 437, 445; 72B, 537
 Frog spinal cord, 72C, 231
 Fucosidase, 72B, 695

Fustra foliacea, 71B, 525

Gadus morhua, 72B, 187
 Galactogen, 71B, 417
Gallus domesticus, 72A, 179, 185, 191, 195,
 Gamma-PHC, 73C, 141
Gammarus duebeni, 72A, 497
 Gas transfer, 73B, 93
 Gastrin-like peptide, 71A, 631
 Gastropods, 73B, 581
Genypterus blacodes, 73B, 451
 Gerbil, 72A, 535
Geukensia demissa, 72B, 577; 73B, 931
Gillichthys mirabilis, 72A, 477
 Glucagon, 73A, 237, 379, 389, 669
 Glucagon secretion, 72A, 333
 Gluconeogenic enzyme, 71B, 65
 Glucose-6-phosphate dehydrogenase, 72B, 117
 β -glucosidase, 72B, 559
 Glutamate, 72C, 231, 237, 241; 73C, 167, 297
 Glutamate dehydrogenases, 71B, 321, 605
 Glutamate receptor, 72C, 1
 Glutathione S-transferase, 72B, 449
 Glycerinated horseshoe crab skeletal muscle
 Glycerol, 73B, 685
 Glycine, 71B, 13; 72A, 595; 73A, 311; 73B,
 Glycoconjugates, 72B, 313
 Glycogen concentration, 72A, 115
 Glycogen phosphorylase, 72B, 421
 Glycogen synthase I, 71B, 423
 Glycoproteins, 71B, 259, 713; 72B, 313
 Glycosaminoglycan-sulfotransferases, 71B, 41
Glyptocephalus cynoglossus, 72B, 249
 Goldfinch, 72A, 421

- Goldfish, see also Carassius, 71A, 11, 181; 72A, 709; 73B, 607
- Goldfish liver, 72B, 133
- Gonadotropin levels, 73A, 273
- Gopherus polyphemus, 72A, 425
- GOT, 73B, 693
- d-CPD, 71B, 113; 73B, 417
- Growth, 72A, 11, 43, 405; 73B, 81
- Gut, 73C, 243
- Gut muscle, 73C, 37
- 5HIAA, 73C, 313, 319
- 115, 313, 319, 361, 377, 403, 423
- Haemagglutinins, 71B, 305; 73A, 663
- Haematocrit value, 73A, 105
- Haeme, 71B, 229
- Haemerythrin, 72B, 433
- Haemoglobin, 71B, 317, 469, 727; 72A, 247, 599; 72B, 7, 267, 689; 73A, 197, 229; 73B, 251, 309, 585, 919, 991
- Haemolymph, 71A, 193; 445; 71B, 569, 657, 703; 72B, 71, 345; 73A, 373
- Haemolymph carbohydrates, 73A, 669
- Haemolysins, 71A, 79; 73A, 455, 663
- Haemosome, 73B, 829
- Hagfish, 73A, 141
- Hamsters, 71A, 615; 71B, 539; 72B, 385; 73C, 377, 383
- Hansenula anomala, 72A, 693
- Hagfish, 72C, 363
- Hay, 72A, 77
- Heart, 71C, 191, 215; 73B, 635
- Heartbeat patterns, 72A, 455
- Heat acclimatization, 72A, 185
- Heating, 72A, 377
- Heat resistance, 72A, 191
- Heat stress, 72A, 191; 73C, 313
- Helice crassa, 73A, 341
- Helix aspersa, 72C, 325
- Helix pomatia, 71A, 47, 283; 71B, 417; 72A, 643; 73C, 157
- Helix soma membrane, 72C, 403
- Heparin, 73B, 663, 857
- Hepatic alanine, 72B, 597
- 815
- Hepatocyte, 71B, 689; 72B, 31
- Hepatocytes, 71B, 13
- 73C, 121
- Hermisenda crassicornis, 73A, 151
- Hexokinases, 71B, 549
- Hexose uptake, 72A, 225
- Hibernation hypothermia, 72A, 541
- High altitude, 71A, 125; 73A, 267
- Gonadotropins, 73A, 73
- Gonosomatic index, 73A, 31
- Gorgonacea, 71A, 457
- Goturnix coturnix japonica, 71A, 469
- GPT, 73B, 693
- Gustatory neural responses, 73A, 361
- Gut contractions, 73A, 401
- 5HT, 72C, 257, 263, 271; 73B, 901; 73C, 27,
- Habituation, 71A, 585
- Haematocrits, 72A, 301
- Haemaology, 72A, 425
- Haeme catabolism, 73B, 501
- Haemocyanin, 73B, 983, 1013
- Haemoglobin biosynthesis, 73B, 829
- Haemopsis sanguisuga, 73C, 347
- Haemorrhage, 71A, 337; 72C, 103
- Haemostasis, 71A, 219
- Half-life times, 72A, 445
- Harderian glands, 71B, 539; 73C, 383
- Hatchery raised fish, 73B, 105
- HCO₃ ATPase, 71B, 629
- Heart rate, 72C, 27; 73A, 21, 249; 73C, 399
- Heat, 72A, 437
- Heat exposure, 73A, 297
- Heat production, 71A, 473
- Heat shock proteins, 73B, 529
- Hedgehogs, 72A, 541
- Helix, 73C, 439
- Helix nemoralis, 72B, 325
- Hen, see Gallus, 72A, 689
- Hepatectomy, 71A, 329; 72B, 275
- Hepatic aldehyde dehydrogenase, 72B, 517; 3B,
- Hepatic binding, 71B, 259
- Hepatocyte euploidization, 71A, 345
- Hepatopancreas, 71B, 155, 165; 73B, 547, 555;
- Heptachlor epoxide, 73C, 141
- Herpetomonas samuelpessoai, 73B, 351
- Hexosaminidases, 73B, 729
- Hibernation, 71B, 409; 73C, 445
- Hibernators, 72A, 243
- Hindgut, 73C, 297, 303

- Hinnites multirugosus, 71A, 453
Hirudo medicinalis, 72C, 33; 73C, 347
 Histones H1, 73B, 475
Homarus americanus, 72A, 621
 Homoibotenate, 73C, 439
 Hormonal levels, 71A, 53
 Hornets, 73A, 267; 73C, 57
 Horseshoe crab, 73C, 71
Hyalinoecia tubicola, 73B, 411
 Hydra, 73A, 713
 Hydrogen sulfide, 71C, 183
Hydrospsyche venularis, 71A, 401
 4-hydroxy-2-cxoglutarate aldolase, 71B, 681
 Hydroxyproline oxidase, 71B, 681
Hymenoclepis microstoma, 73B, 901
 Hyperkinesis, 73A, 267
 Hypophysectomy, 72A, 549
 Hypothalamus, 72C, 171
Hyla cadaverina, 71A, 293
 Hyperthermic responses, 71C, 111
 267

 Ibotenate, 73C, 439
Ictalurus melas, 72A, 35
Idotea balthica basteri, 73B, 757

 Ileum, 71A, 477; 72A, 765; 73C, 419
 Immobilization antigen, 71B, 217
 Immunocytochemical localization, 72A, 259
 Immunological identities, 71B, 165
 Induction of drinking, 71A, 485
 Insect cell lines, 72B, 359
 Insect motor nerve terminals, 72C, 369
 Insect rectum, 71C, 43
 Insulin, 71A, 231; 72A, 35, 333, 433, 697; 72B, 605; 73A, 237, 279, 669
 Insulin-like proteins, 72B, 149
 Intermediary metabolism, 73B, 59
 Interstitial fluid proteins, 72A, 173
 Intestinal excretion, 71A, 527
 Intestine, 72A, 689; 73B, 571
 Intrapulmonary chemoreceptors, 72A, 463
 Ion relating renal functions, 72A, 535
 Iron levels, 72A, 307
 Isocitrate dehydrogenase, 71B, 489
 Isolated brainstem, 72A, 371
 Isopod, 73B, 603
Ixodes uriae, 72A, 167

Hirudo, 73C, 439
 Histones, 72B, 393; 73B, 709
 Histone chromosomal proteins, 72B, 261
 Homeothermy, 72A, 421; 73A, 253
 Honey bee, 71A, 277
 Hormone, 73B, 357
 Horses, 71B, 541; 72A, 77; 73C, 259
 Hummingbirds, 73A, 679
Hyalomma dromedarii, 72B, 107
 Hydrocarbons, 71C, 21
 Hydroquinone, 71B, 281
 Hydrostatic pressure, 71A, 271
 4-hydroxyphenylpyruvate dioxygenase, 72B, 537
Hymenolepis diminuta, 72B, 591
 Hyperglycemia, 73A, 379
 Hyperosmolality, 73A, 709
Hyposoter exiguae, 72B, 233
 Hypothermia, 73C, 377
 Hypertension, 71A, 125
 Hypoxia, 71A, 85, 439; 72A, 319; 72C, 65; 73A, 267
 Hydrax, 72A, 611

 ICDH, 73B, 693
Ictalurus punctatus, 72B, 605
 Iguana, 73A, 703
Iguana iguana eggshell, 72B, 619
Illex illecebrosus, 73B, 201
 Immune responses, 73B, 417
 Immunoglobulin M, 71B, 475
 Impedance change, 71A, 619
 Inhibitors, 71B, 657
 Insectivorous bats, 72A, 703
 Insects, 71B, 501
 Insect visceral muscle, 72A, 199
 Insulin secretagogues, 73A, 389
 Interstitial fluid, 72A, 437
 Intestinal brush border, 72A, 85
 Intestinal mucosal enzyme, 72A, 505
 Intertidal invertebrates, 73A, 571
 Ionic regulation, 73A, 25
 Iron balance, 73A, 421
 Iron uptake, 71A, 211
 Isocitrate lyase, 72B, 107
 Isolated CNS preparations, 72C, 161
 Isozymes, 71B, 557

- Japanese quail, 72A, 149
Juvenile hormones, 71A, 141
- K^+ , 71A, 29; 73A, 243
Keratan sulfate proteoglycan, 72B, 227
Kestrels, 72A, 105; 73A, 513
Kidneys, 71C, 43; 71B, 65, 141, 145; 73A, 691; 73B, 189
Kinetic constants, 72A, 225
Krebs cycle intermediates, 72B, 577
- Labelled water, 72A, 445
Lactation, 72B, 453
Lamprey, 73A, 141
Lampropeltis getulus floridana, 73A, 291
Lateral transport, 73A, 69
Laurencia papillosa, 73B, 257
LDH, 71B, 113; 72B, 21; 73B, 417, 581, 607, 693, 697, 1001
Lecithin, 73B, 681
Leeches, 71A, 243
Leiostomus xanthurus, 72B, 49, 59
Leishmania donovani, 72B, 581; 73B, 367
Lepisosteus osseus, 73B, 347
Leptocottus armatus, 71C, 63
Leucine, 73A, 77
 α -L-fucosidase, 72B, 695
LH-bicassay, 71A, 113; 73A, 73
Ligand binding, 71B, 229
Limulus, 73C, 439
Limulus chemoreceptors, 72A, 287
167
Liolophura japonica, 71B, 373
849
Lipids, 71A, 93; 72B, 101, 111, 201, 409; 72B, 137, 233, 73B, 771
Lipid nutrition, 73B, 3
Lipogenesis, 72B, 673
Liver, 71A, 567, 145; 71B, 65, 95, 141, 321; 71C, 77; 72A, 115; 72B, 221, 421; 73B, 393, 635, 729; 73C, 431
Liver hypertrophy, 73C, 457
Lobster, 72A, 621
292, 297, 303
Loligo pealei, 71B, 507; 73B, 201
Lotaustralin, 71B, 329
Low temperature, 73A, 613
Lumbricus terrestris, 71A, 631; 71C, 127
Lung, 72C, 39
Lycosid spiders, 71B, 703
95
Lymphoid tissue, 72A, 205
- Jejunum, 71A, 477; 73B, 491
 K^+ -ATPase, 72B, 289
Keratinized tissues, 73B, 239
Ketone bodies, 71A, 231
Krebs cycle in spiders, 72B, 295
Kupffer cells, 73A, 477
- Lactate, 73B, 1001
Lagomorpha, 71B, 511
Lamprey notochord collagen, 73B, 335
Lanthanum, 72A, 199
Laticauda semifasciata, 72A, 727
L-canavanine, 71C, 165
Leech, 73C, 71
Leg flexor muscle, 72A, 391
Leiopisma zelandica, 71A, 635
Lens fiber cell membranes, 73B, 791
Leptinotarsa decemlineata, 72B, 345
Leptogorgia virgulata, 71B, 305
Leucine transport activity, 73A, 243
L-glutamate, 72C, 231, 237, 241; 73C, 167
LH-RH, 73A, 273
Light response curve, 73A, 41
Limulus central neurons, 72C, 391
Limulus polyphemus, 71C, 229; 73B, 803; 73C,
Linamarin, 71B, 329
Lipoprotein, 71B, 669; 72B, 547; 73B, 663,
Lipoprotein lipase, 72B, 487
Lipofuscin, 71A, 369
Lithium, 73A, 223
Liver glucose metabolism, 72B, 543
Liver mitochondria, 73B, 957
Locusta migratoria, 71B, 83; 73A, 669; 73C,
Locusta migratoria cinerascens, 71A, 53
Loligo pealei blood pressure, 72A, 23
Lower intestine, 71A, 527
Lucilia, 72B, 339
Luminescence, 71A, 131
Lycaena phlaeas, 73B, 235
Lymnaea stagnalis, 71B, 293; 72A, 91; 73C
Lymph, 73A, 201
Lysiasterias perrieri, 72B, 705

Lysine, 72B, 619; 73A, 77

Lysosomal damage, 73C, 161

Lysozyme, 71B, 583

Macaca fascicularis, 71B, 33

Macrobrachium rosenbergii, 73A, 417; 73B, 195

Macrophthalmus hirtipes, 73A, 341

Malate dehydrogenase, 72B, 21, 49, 59; 73B, 761

Mallotus villosus, 71B, 557

Manganese, 71C, 223

Mapping of neurons, 73A, 47

Marsupials, 71A, 1, 59; 72A, 429

Maternal-fetal oxygen transfer, 73A, 497

Mating calling, 72A, 371

Mealworm, 73C, 13

Melanophores, 71C, 1

51

Melatonin, 71A, 473

Membrane potential, 72C, 1

Menthol, 73C, 95

Mercenaria mercenaria, 71B, 111

Meriones unguiculatus, 71A, 113

Metabolic rate, 71A, 119, 395, 401; 73A, 233, 431

Metabolic scope, 71A, 59

13; 73A, 291, 679

121, 129, 135

Metamorphosis, 73B, 309

Metal ion metabolism, 72A, 73

Metergoline, 73C, 403

$\Delta^{5,7}$ -24-methylase sterols, 71B, 345

Mevalonate, 71B, 617

Microbracon venom, 72C, 303

Microscolex phosphoreus, 71A, 599

Microsomal epoxide hydrolase, 73C, 463

Microsomes, 72B, 275; 73C, 277, 285, 289, 389

Microtinae, 71A, 461

Microtus montanus, 71B, 209

Milk, 71B, 535

M isozyne, 71B, 57

Mitochondria, 71A, 149; 71B, 71; 71C, 219; 72B, 637; 72C, 149; 73B, 673

Mitochondrial Ca^{2+} , 73C, 395

Mitochondrial function, 73B, 829

Mitochondrial NADH oxidase, 72B, 591

Mollusc, 72B, 473; 73B, 655

Molt, 73A, 417

Monarch butterflies, 71A, 141

Monoamine, 71C, 83, 209

223; 73C, 67, 177

Lysine transport, 72A, 483

Lysosomes, 73C, 109

Macaca, 71B, 461

Magnesium, 71A, 99; 72A, 365

Manduca sexta, 71C, 165; 72C, 75; 73B, 645

Mannozy-lipid, 72B, 179

Marine teleost, 72A, 469

Maternal circulation, 71A, 107

Mating behavior, 72C, 363

MDH, 71B, 113; 71C, 15

Mechanical properties, 73C, 223

Melanophore-stimulating hormone, 71C, 1; 73C,

Melanosynthesis, 73A, 477

Melolontha melolontha, 72B, 669

Membrane receptors, 71A, 211

Mercaptoethanol, 71B, 455

Mercury binding proteins, 71B, 455

Metabolic energy, 71A, 277, 627

Metabolism, 71B, 379; 71C, 21; 72A, 541; 72B,

Metallothionein, 72C, 21; 73B, 547, 555; 73C,

Metamorphosing Xenopus laevis, 72B, 303

Metals in organisms, 71C, 135

Metamorphosis, 72B, 317

Methemoglobin reductases, 73B, 591

Methylsterols, 71B, 345

Mevalonate metabolism in rat liver, 73B, 181

Microflora, 72A, 205

Microsomal enzymes, 71C, 123

Microsomal monooxygenase, 73C, 211

Microtus arvalis, 71A, 465; 73A, 105

Midbrain, 71A, 181

Mink, 72A, 575; 73A, 249

Mites, 72B, 551

Mitochondrial DNA, 73B, 923

Mitochondrial membranes, 73C, 369

Mitochondrial ribosomes, 71B, 83

Molluscan smooth muscle, 73C, 253

Molt cycle, 71B, 155

Monensin, 72C, 329

Monoamine oxidase, 71C, 95, 141, 145, 219,

Monoamine oxidase types A and B, 71C, 107

- Monooxygenase, 71B, 431, 437, 445
 Moths, 72B, 317
 Motoneuron, 73A, 151
 Mucosa, 73C, 37
 309
Musca domestica, 73B, 625
 73B, 105, 785, 971; 73C, 17
 Muscle ions, 72A, 49
 Muskrat, 73A, 249
 211; 73B, 719, 815
Mya arenaria, 72A, 99
 Myocardium, 72A, 559
 Myosin, 72B, 289, 353, 473
Mytilus californianus, 71C, 57; 73C, 115
 209; 72B, 117; 72C, 149, 349; 73B, 673

 Na⁺, 73A, 243
 Na⁺ and Cl⁻ transport, 73A, 413
 (Na⁺/K⁺)ATPase, 71A, 175
 NADH-fumarate oxidoreductases, 71B, 181
 Nasal gland secretion, 72A, 65
 Nematode, 71B, 95
Neomysis integer, 72A, 627
Nereis virens, 72A, 263; 73A, 15
 Nerve block, 72A, 659
 Nervous system, 71A, 23
 Neural network of gastropods, 72C, 375
 Neuroendocrine control, 71B, 223
 Neurohormone (galactogenin), 71B, 417
 Neuromuscular transmission, 71C, 149
 Neurosecretion, 71C, 169
 149
 Nitrate, 73C, 161
 Nitrogenous products, 72A, 673
 Non-adrenergic nerves, 72C, 189
 Nonshivering thermogenesis, 73A, 481
 37, 377
 Norway rat, 71A, 85
 Nucleating agents, 73A, 557
 Nudibranchs, 73B, 471

 Obesity, 72A, 747
 Octopamine, 71C, 215; 72C, 125, 153; 73C, 361
 Octopamine metabolism, 73C, 293
 Octopine dehydrogenases, 73B, 521, 865
Octopus vulgaris, 72B, 325
 Odor, 71B, 29
 Oestradiol-17, 73B, 965

 Morphine, 73C, 205
 Motoneuron structure, 72A, 349
 Motor neuron reflex, 73A, 503
 Mucosal macromolecular glycoproteins, 72B,
 Mucus production, 73C, 357
 Muscle, 71B, 181; 72A, 115, 339; 72B, 65, 249;
 Muscle contractility, 71A, 635
 Muscle tension, 72A, 579
Mus musculus, 71A, 341; 71B, 713, 309; 72A,
Mustelus canis, 73A, 135
Myctophum punctatum, 71A, 131
 Myoglobins, 71B, 229
Myotis lucifugus, 73B, 613
Mytilus edulis, 71B, 455, 583, 643; 71C, 21,
 Na transport, 71A, 65, 271
 NaCl absorption, 71A, 477
 NAD glycohydrolase, 71B, 333
 NADP-linked malic enzyme, 72B, 647
 Nematocyst venom, 72B, 93
Neoamphitrite figulus, 73A, 663
 Nephridia, 73A, 311
Nerodia sipedon, 73A, 73
 Nerve cell activity, 73C, 1
 Nest-building, 72C, 363
 Neuroendocrine cells, 72A, 91
 Neurohormones, 71B, 695; 73C, 149
 Neuromuscular junction, 73A, 147
 Neuron, 71A, 47; 72A, 643; 73A, 303
 Neurotransmitter, 71C, 15; 72C, 33, 117; 73C,
 Neutered salmonids, 73B, 177
 Nitrogen metabolism, 71B, 223, 599; 72B, 133
Noctiluca miliaris, 72B, 137
 Non-cholinergic nerves, 72C, 189
 Noradrenaline, 71C, 15; 72C, 141, 281; 73C,
 Normoxic, 72A, 319; 72C, 65
Nothobranchius guentheri, 73B, 915
 Nucleoside phosphorylase, 73B, 543
 Nutrient stores, 72B, 461

 Obesity studies, 72A, 211
 Octopamine receptors, 73C, 331
Octopus dofleini, 73B, 1013
Onchomonas danica, 71C, 135
 Oestradiol, 71B, 351
 Oil, 72C, 133; 73C, 457

- Olfactory receptor responses, 72A, 237
- Oncopeltus fasciatus, 71B, 657
- Onymacris marginipennis, 73B, 275
- Ophiuroids, 71A, 303
- Opiate receptors, 73C, 323
- Orconectes limosus, 72B, 127; 73B, 697
- Organ culture, 73B, 491
- Organochlorine pollutants, 73C, 211
- Organ scaling, 71A, 567
- Ornithine aminotransferase, 72B, 469
- 73A, 459
- Oryzomys palustris, 72A, 301
- Osmolarity, 72A, 263
- Osmoregulation, 71A, 321, 449, 605; 73A, 719
- Osmoregulatory system, 71A, 547
- Osmotic balance, 72A, 663
- Osmotic lysis, 71A, 265
- Osmotic stress, 71A, 157, 165, 293; 72A, 731; 73A, 405, 621
- Ostariophysi, 72B, 201
- Ostrinia nubilalis, 73A, 81
- Ovaries, 71B, 7, 379; 72B, 367, 507
- Ovine growth hormone, 71A, 477
- 237
- Ovulation-inducing activity, 72A, 195
- Ox, 73A, 193; 73C, 265
- Oxidative phosphorylation, 71B, 611; 72C, 369
- Oxygen, 71A, 321; 72A, 319; 72B, 13
- 72A, 247, 377, 529, 621; 72C, 145; 73A, 21, 63, 239, 283, 383, 417
- Oxygen deficiency, 72A, 599; 73A, 239
- Oxygen transfer, 71C, 7
- Oxygen transport capability, 73A, 181
- Pagurus longicarpus, 73A, 261
- Pancreas, 71B, 101; 72A, 333, 575; 72B, 179; 73B, 571
- Pancreatic activities, 71A, 205
- Papio cynocephalus, 71B, 651
- Paracellular transport, 72A, 721
- Paramecium tetraurelia, 71A, 29
- Parascaris equorum, 71C, 119
- Parathyroid hormone, 73A, 691
- Pasifastacus leniusculus, 71C, 195
- Penaeid shrimp, 73B, 301
- Penicillium jathiuellum, 72B, 625
- Pentylenetetrazol-induced bursting, 73C, 9
- Pepsins, 72B, 625
- Perca fluviatilis, 73C, 399
- Peripatus muscle, 73C, 451
- Periplaneta americana, 71A, 255; 71C, 159; 72A, 237; 72B, 511; 73C, 145, 423
- Onchidium, 72C, 387
- Oncorhynchus kisutch, 72C, 91
- Oocyte maturation, 73A, 273
- Opiate binding, 72C, 349
- Orange pigment, 73B, 235
- Orconectes nais, 73A, 63
- Organochlorines, 72C, 91
- Organophosphate, 73C, 101
- Orgyia pseudotsugata, 73B, 645
- Oryctolagus cuniculus, see Rabbit, 72A, 765;
- Oryzias latipes, 72C, 59
- Osborne Mendel rats, 72A, 433
- Osmometer, 71A, 363
- Osmotic and ionic regulation, 73B, 125
- Osmotic conditions, 72A, 673
- Osmotic responses, 73A, 261, 441
- Osteolysis, 72A, 111
- Ovalipes ocellatus, 71A, 321
- Overwintering, 72A, 137; 73A, 595
- Ovis aries, 71B, 1; 72A, 697; 72B, 415; 73A,
- Ovoverdin, 71B, 249
- Owenia fusiformis, 73B, 575
- Oxidative decarboxylation, 73B, 331
- Oxygen consumption, 71A, 419, 439, 605, 611;
- Oxygen extraction, 73A, 491
- Oxygen transport, 71A, 353; 72A, 319
- Oziotelphusa s. senex, 71B, 223
- Palythoa, 72B, 677
- Panulirus argus, 73B, 923
- Parabronchial mantle, 72A, 463
- Paragonimus, 71A, 149
- Paramecium multimicronucleatum, 71B, 217
- Parasilurus asotus, 71C, 1
- Particle motion, 71A, 181
- Peanut agglutinin, 71B, 545
- Penaeus japonicus, 72A, 673
- Pentachlorophenol, 73C, 353
- Pepsinogen, 72B, 145
- Perca flavescens, 71C, 141; 73A, 437
- Perinatal brain growth, 72B, 195
- Peripheral synapses, 72A, 287

- Peritrophic membrane, 72A, 359; 73B, 645
- Peroxidase, 73B, 361
- Pesticide, 73C, 369
- Petroleum refinery wastewater, 71C, 63
- Petromyzon marinus, 72B, 521
- pH, 72A, 637
- Phenethylamine, 71C, 249
- Phenylalanine metabolism, 71B, 209
- Pheretima communissima, 71B, 727
- Pheromones, 72A, 237
- Phialidium gregarium, 72B, 77
- Philanthus triangulum, 71C, 149, 159; 73C, 79
- Philine aperta, 73C, 85, 361
- Phoca hispida, 72C, 133
- Phormia, 72B, 339
- Phosphatase, 73B, 457
- Phosphate compounds, 73A, 135
- Phosphine toxicity, 73C, 411
- Phosphoenolpyruvate, 72A, 737
- Phosphoglucomutase, 72B, 249; 73B, 761
- Phosphoglycerate kinase, 71B, 95
- 401
- Phospholipids, 71B, 119, 127; 71C, 77; 72A, 497
- Phosphonium, 72C, 101
- Phosphoribosylpyrophosphate, 73B, 535
- Phosphorylase B, 71B, 133
- Photophores, 71A, 131
- Phycomyces blakesleeanus, 71B, 515
- Phylogeny, 71B, 723
- Pig(s), 72A, 575; 72B, 195, 215; 73A, 201; 73B, 823
- Pigeon, 71A, 337; 73A, 159; 73B, 957
- Pineal photosensory, 73A, 125
- Pipecolic acid, 73B, 1011
- Piribedil, 73C, 403
- Pituitary-gonadal axis, 72C, 83
- Planorbis corneus, 73A, 47
- Plasmalogen, 73B, 873
- Pleuronectes platessa L., 73C, 195
- Pneumostome, 72C, 53
- Polar lipids, 73B, 239
- Polychaete, 73A, 491
- Polyploidy, 73B, 739
- Polysaccharidases, 72B, 551
- Porcine granulosa cells, 73B, 305
- Posture, 73A, 697
- Potassium deficiency, 72A, 415
- Prawn, 73A, 315, 321
- Pregnancy, 72B, 453
- Peromyscus, 72B, 517
- Peroxisomal oxidation, 73B, 565
- Petroleum, 72C, 83
- Petrolisthes elongatus, 72A, 631
- PGI, 72B, 201
- Pharmacokinetics of frusemide, 71C, 89
- Phenol derivatives, 73C, 231
- N- β -phenylpropionyl-L-tyrosine, 72C, 225
- Pheretima hilgendorfi, 71B, 727
- Phialidin, 72B, 77
- γ -Philanthotoxin, 72C, 311
- Philosamia cynthia ricini, 71B, 569
- Phoracantha semipunctata, 72B, 559
- Phoscolopsis gouldi, 71A, 363
- Phosphates, 73A, 129, 141
- Phosphatides, 71B, 101
- Phosphoadenylate, 71A, 357; 72A, 295
- Phosphoenolpyruvate carboxykinase, 72B, 21
- Phosphogluconate dehydrogenase, 71B, 193
- Phosphoglycerate mutases, 71B, 57, 591; 72B,
- Phospholipase A₂, 71B, 101
- Phosphoprotein, 72B, 507
- Phosphorus, 72A, 709
- Photoperiod, 71A, 137, 325, 615
- Photoprotein, 72B, 77
- Phyllodecta laticollis, 73A, 613
- Phytic acid, 72A, 43, 133
- Pike, 71A, 395
- Pipa pipae, 73A, 197
- Piperidine dicarboxylates, 73C, 71
- Pituitary glycoprotein hormones, 72A, 477
- Pituitary LH, 71A, 299
- Plasma, 71B, 309; 73A, 237
- Plasma proteins, 71B, 313
- Pliophryxus philonika, 72B, 651
- Poecilia reticulata, 73A, 167
- Polistes comanchus navajoe, 71C, 203
- Polychlorinated biphenyls, 72C, 27
- Polyribosomes, 72B, 187
- Pony, 72A, 77
- Porphyrin biosynthesis, 72B, 663
- Potassium, 71A, 29; 73A, 243
- Potassium loss, 72A, 243
- Preen gland waxes, 72B, 255
- Pre-pipping water, 72A, 29

- Pressure, 72A, 405
 Procaine, 72C, 39
Procambarus clarkii, 71A, 271
 Progesterone, 71A, 389; 72C, 113
 Prolactin, 71A, 11, 299; 72A, 259
 Propargylglycine, 73A, 713
 (24Z)-24-propylidenecholest-7-enol, 71B, 373
 Prostaglandin, 71A, 65; 73A, 455
 Prostate, 72B, 673
 Proteases, 72A, 359, 523; 72B, 377; 73B, 547
 Protease inhibitors, 71B, 569
 72A, 365, 693; 73B, 283, 375
 Protein digestion, 72A, 55
 Protein synthesis, 72B, 187; 73B, 379
 Proteolytic enzymes, 72A, 575
Pseudacris triseriata maculata, 72A, 137
 Pseudopregnant rats, 73A, 279
 Purification, 71C, 119
 Purine nucleosides, 73B, 535
 Purinergic receptors, 72C, 203
 Putrescine, 73C, 431
 Pyrethroids, 72C, 317, 411
 "Pyruvate reductases", 73B, 865
- Quail, 71A, 219; 72B, 227
 Quinaldine sulfate, 73C, 285
- Rabbit, 72A, 483, 611; 72B, 353; 72C, 197; 73A, 223
 Radular protractor, 72C, 343
Rana catesbeiana, 71C, 95; 72B, 637; 73B, 309
Rana clamitans, 72A, 255
 72B, 501; 73B, 269, 399, 779
 907; 73C, 67
Rangifer tarandus, 71B, 527
 575; 72B, 547, 673; 73A, 349, 355, 481; 73B, 635; 73C, 71, 205, 323
 Rat brain, 71C, 219
 Rat liver, 71B, 577; 73B, 379
 Reaction velocities, 72A, 125
 Receptor mechanisms, 71C, 1
 Red blood cells, 71B, 713; 73A, 77, 135, 141, 427
 Refeeding, 71A, 461
Reinhardtius hippoglossoides, 72B, 249
 Renal medulla, 71B, 423
 Repetitive DNA, 73B, 739
 Reproductive performances, 72C, 83
 Respiration, 71A, 457; 72C, 149; 73A, 337
 Respiratory stimulation, 72A, 489
 Respirometric responses, 71A, 243
- Pressure tolerance, 71A, 349
Procambarus acutus acutus, 72A, 295
Processa edulis, 72B, 651
 Proinsulin, 72B, 605
 Proline, 73A, 95
 Propionate, 73A, 237; 73B, 673
 Prostaglandin E, 72A, 483
 Protease D, 71B, 89
 Proteins, 71B, 155, 165, 337, 723; 71C, 203;
 Protein amino acids, 73B, 701
 Protein kinase, 71B, 301
 Proteolysis, 73B, 201
 Prothoracic glands, 73A, 81
Pseudopleocauta porosa, 73B, 617
 Pteridine-metabolizing enzymes, 71B, 33
 Purines, 72C, 189
 Purine nucleotides, 71B, 77
 Purine ribosides, 72C, 203
 Pyloric caeca, 71B, 379; 72B, 461
 Pyruvate kinase, 72B, 21, 65
- Quaternary structures, 71B, 237
 Quinoline, 71B, 525
- Rainbow trout, 71B, 119
Rana esculenta, 71A, 205; 71B, 519; 72A, 549;
Rana pipiens, 72A, 371, 603; 73A, 709; 73B,
Rana temporaria, 73A, 463, 469
 Rat, 71A, 231, 369; 71C, 115, 223; 72A, 483,
 Ration size, 73B, 81
Rattus rattus, see Rat, 71A, 17; 73B, 509
 Receptors, 71C, 215; 73A, 151
 Receptor memory, 73B, 357
 Reflex, 72A, 401
 Renal function of birds, 71A, 511
 Renin-angiotensin system, 71A, 449; 73A, 187
 Reproductive cycle, 71B, 379
 Resialosylation, 71B, 545
 Respiratory metabolism, 72A, 167; 73A, 11
 Respiratory transport, 71B, 289
 Retina, 72C, 109, 117

- Retina cells, 72C, 129
 Rhea, 73A, 129
Rhinotermes, 71B, 731
Rhombomys opimus, 72A, 535
Rhyzopertha dominica, 73C, 411
 Ribonuclease, 71B, 535
 rRNA, 73B, 423, 435
 Rock hyrax physiology, 72A, 271
Romanomermis culicivora, 72B, 13, 21
 Running, 71B, 23

Sabella pavonina, 73A, 311
 Salivary glands, 72C, 9; 73C, 85, 361
 Salmonids, 73B, 81, 93, 125
Salmo gairdneri, 71A, 329, 353; 71B, 65; 71C, 7, 49; 72A, 49, 679, 693; 72B, 421, 543; 72C, 107; 73A, 379; 73B, 393, 565, 631, 729, 845, 849; 73C, 161, 357
Salmo trutta, 72A, 515
 Salmon, 72A, 591; 72C, 15, 21, 91; 73B 1-180
 Salt and water excretion, 71A, 481
 481-567
 Salt gland function, 71A, 537
Salvelinus fontinalis, 72C, 65; 73C, 271
Sarcophaga, 72B, 339
Scapharca inaequivalvis, 73B, 211
Sceloporus undulatus garmani, 71A, 611
Schistocerca americana, 71B, 739
 701
Scomber scombrus, 73A, 229
 Scorpion venom, 71A, 375
 Seasonal variation, 71A, 237, 579
 Sea urchin, 71B, 563; 72A, 489
 Seawater ingestion, 72A, 469
 Selenium, 71C, 49
 Semen, 72B, 457
 Serine, 71B, 13
 Serological relationships, 71B, 173
 Serotonin, see 5HT, 71C, 57, 239; 73C, 27, 115
 Serum, 71B, 403, 461
 Serum amino acid concentrations, 73B, 195
 Serum electrophoresis, 72B, 1
 Serum proteins, 72B, 521
 Settlement factor proteins, 72B, 329
 Sex differences, 73B, 269
 Shark, 73B, 791
 Sheep, 72A, 611; 73A, 193
 Shellfish, 71B, 7
 Shivering thermogenesis, 73A, 159
 SH-protease, 73B, 231

 Retinal horizontal, 72C, 241
 Rhesus monkey, 71A, 79; 71C, 89
Rhodnius prolixus, 72A, 133
Rhynchotragus kirkii, 73A, 21
 RIA, 72A, 679
 RNA, 72B, 31, 239; 73B, 423, 435
 RNA-degradating, 73B, 835
 Rodents, 71A, 59
 Rubidium, 73A, 223

 Salinity, 71A, 407, 439; 72A, 583
 Salivary secretion, 72B, 569
Salmo alpinus, 73B, 771
Salmo trutta fario, 72A, 637
 Salt and water balance, 71A, 363; 73A, 15
 Salt and water excretion by birds, 71A,
 Salt glands, 71A, 547; 73C, 101
 Salt tolerance, 73A, 95
Salvelinus namaycush, 73C, 271
Sarotherodon mossambicus, 73A, 405
Scaphiopus couchii, 73A, 709
 Scent oil, 71B, 149
Schistosoma mansoni, 72B, 377; 73B, 385, 405,
 Schistosome, 71B, 289; 72C, 101
 Scorpion, 71A, 605; 71C, 177; 73C, 201
Scyliorhinus caniculus, 71B, 675
 Sea turtle classification, 72B, 1
 Sea water adaptation, 73A, 167
 Secretory response, 73A, 447
 Selenium deficient ducks, 72A, 383
 Senita cactus alkaloids, 71A, 413
 Serine pyruvate aminotransferase, 73B, 393
 Serosystematic, 73B, 747

 Serum albumin, 73B, 823
 Serum chemistry, 72A, 425
 Serum γ -globulin, 71A, 465
 Serum trypsin inhibitors, 72B, 99
 Sex, 72A, 595
 Sexual maturation, 73B, 771
 Shearwater, 72A, 29
 Sheep colon, 73A, 413
 Shivering, 73A, 481
 Short circuit, 73A, 413
 Sialic acid, 73C, 357

Sickling hemoglobin polymerization, 73A, 703

Silkworms, 71B, 569

[4-¹⁴C]sitosterol, 72B, 153

Skin surface lipids, 73B, 327

Slugs, 72C, 45, 53

Snail, 73C, 71

Snake, 71B, 313, 431, 437, 445
413, 437

Sodium flux, 71A, 325; 73A, 321
143

Sodium transport, 72A, 727

Solidago canadensis, 73B, 641

Solubilized eye lens, 71B, 337

Spawning, 72A, 591

Spermatozoa survival, 71A, 71

Spermophilus lateralis, 73B, 1019

Sphenomorphus quoyii, 71A, 107

Sphincterochila prophetarum, 71A, 41

Splanchnic nerve, 71C, 191

Splenocytes, 73B, 535

651

Squirrel monkey, 71A, 79

Starvation 71A, 357, 461; 71B, 65, 289; 72B, 461; 73A, 63; 73B, 195, 405

Stenella caeruleo-alba, 71B, 357

Steroid, 71B, 675; 73A, 485

Sterols, 71B, 285, 373, 617, 637; 72A, 627; 73B, 211, 257, 481, 757

Stick insects, 72B, 427

Stomatogastric plexus, 73A, 401

Storage compounds, 71A, 41

Streptozotocin-diabetic mice, 72A, 505

Stress-related changes, 71A, 193

Subcutaneous tissue, 71B, 357

Substance P, 72C, 171, 263

Sucrose diet, 73B, 635

Sulfated sterols, 71B, 325

Sulfur compounds, 71B, 29

Supercooling, 73A, 519

Supracaudal gland, 71A, 131

Surface energy, 73A, 621

Surgery, 72C, 141

Suspension feeding, 71A, 303

Sweating, 73C, 259, 265

Swine, 72A, 319

Sympathetic ganglia, 72C, 197

Synaptosomes, 73B, 297

T₃, 71A, 615

T-2 toxin, 73C, 13

Siphonosoma cumanense, 72B, 433

Skin, 73C, 259, 265

Skeletal muscle, 72B, 39; 73A, 709

Smooth muscle, 71A, 125; 72C, 203

Snail mucus, 72A, 571

Sodium, 71A, 477; 72A, 549; 72C, 1; 73A, 243,

Sodium borotritide, 73B, 725

Sodium-independent amino acid transport, 72A,

Sodium regulation, 73A, 315, 321

Solea solea, 73A, 89

Solitary state, 71A, 53

Sound pressure, 71A, 181

Spermatozoa, 72A, 489

Spermiation, 73B, 849

Spermophilus tereticaudus, 73B, 1019

Spintherochila prophetarum, 71A, 41

Spinal cord, 72C, 263

Splenic enzymes, 71B, 271; 73B, 417

Squalus acanthias, 71C, 191; 73A, 135; 73B,

Squid, 73B, 201

Starlings, 73A, 253

Sternotherus odoratus, 71A, 93

Steroid hormone, 72B, 367; 73B, 143

Stomach, 72B, 309

Stomoxys calcitrans, 71A, 23

Sterechnus neumayeri, 72B, 705

Stress, 71B, 643; 72A, 251; 72B, 421

Subcellular composition, 72A, 415

Suberitine, 73C, 91

Succinate-DCPIP, 71B, 181

Sulfated derivatives, 71B, 325

Sulfonamides, 73B, 937

Sulfhydryl group reagents, 71B, 57

Superoxide dismutase, 73B, 361

Suramin, 71B, 321, 611; 72B, 165

Surface membrane proteins, 71B, 713

Sus domesticus, 73A, 389

Sweat, 73B, 375

Swift, 71A, 611

Symbionts, 72B, 239

Synaptic transmission, 72C, 197

T₄, 71A, 615

Tachurus, 72B, 477

- Tanning, 72B, 173
 Taste cells, 73A, 1
 Taste stimuli, 73A, 1
 Telencephalon, 72C, 357
Temora turbinata, 72B, 409
 635; 71B, 675; 72A, 179, 221; 73A, 57, 261, 463, 469; 73B, 81, 607
 Temperature acclimation, 71A, 611; 72A, 17; 73A, 63
 Temperature regulation, 71A, 469; 72A, 1, 615
 Temperature stress, 73B, 1019
 Tension receptors, 72A, 391
 201
 Testicular tissue, 71B, 709
 Tetraethylammonium, 73A, 303
 Theophylline, 73C, 57
 Thermal injury, 73B, 379
 Thermal sweating, 71C, 37
 Thermodilution, 72A, 157
 Thermostability, 72B, 7; 73B, 919
 Thionamides, 73C, 389
 Three-toed sloth, 73A, 697
 Thrombocyte, 71B, 145
 Thyroid, 73B, 143
 Thyroid gland, 72A, 477; 73A, 25
 Thyrotrophin, 72C, 263
 Tick embryogenesis, 72B, 107
Tigriopus californicus, 73A, 441
 TMAO-ase, 71B, 49
Torpedo californicus, 73B, 501
 Toxicosis, 72A, 697
 Toxin subunits, 73B, 459
 Transferrin, 73A, 327
 211
 Transmitter, 73A, 147
Travisia japonica, 72B, 267
 Trehalases, 72B, 511
Triatoma infestans, 72B, 71
 Tricaine, 73C, 271, 285
Trichoplusia, 72B, 233
 Trimethylamine oxidase, 73C, 389
 Trioleoylglycerol, 73B, 685
 Triterpene glycosides, 73C, 41
 Trypsin, 73B, 631
 Tropomyosin, 72B, 473
 Trout, see also Salmo, 71B, 431, 437, 445; 72A, 115
 Trypsin aminotransferase, 71B, 519
Trypanosoma brucei, 71A, 265
Trypanosoma cruzi, 71B, 397; 72B, 313, 663
 Trypsin, 71B, 101, 557; 72A, 523
Tapes watlingi, 71C, 215
 Taste solutions, 73A, 361
 Taurine, 72B, 87; 72C, 109, 137; 73A, 95
 Teleost, 72A, 85
 Temperature, 71A, 137, 255, 401, 419, 605,
 Tension of chick skeletal muscle, 71A, 375
 Testes, 71B, 675; 72A, 607; 72B, 393; 73A,
 Testicular interstitial cells, 71A, 113
Testudo hermanni, 71A, 449
Tetrahymena, 73B, 357
 Thermal conductance, 73A, 21
 Thermal stability, 71B, 19
 Thermal tolerance, 72A, 255
 Thermoregulation, 72A, 179, 185
Thinocorus rumicivorus, 73A, 233
 Thirteen-lined ground squirrel, 71A, 85
 Threonine, 71B, 13
 Thymocytes, 73B, 535
 Thyroid activity, 73A, 485
 Thyroid metabolism, 73A, 181
 Thyrotrophin releasing hormone, 72C, 257
 Thyroxine, 71A, 615; 73A, 427; 73B, 693
Tisbe holothuriae, 73B, 761
 Tolbutamide, 73A, 389
 Torpor, 73A, 679
 Toxin, 71C, 177
 Toxin V, 71A, 375
 Transferrin-reticulocyte interactions, 71A,
 Transit time, 72A, 611
 Transport, 72A, 583
 Treadmill exercise, 72A, 327
 Triacylglycerol, 72B, 453
Tribolium castaneum, 71C, 123
Trichinella spiralis, 72A, 111; 72B, 87
 Trigeminal motoneurons, 73A, 349, 355
 Trinitrophenol, 73C, 353
 Triosephosphate isomerase, 73B, 881
Tropidurus torquatus, 73B, 681
 t-RNA, 71B, 95
 Troponin-C-like, 71B, 507
Trypanosoma, 71B, 321
Trypanosoma brucei gambiense, 71B, 209
 Trypomastigotes, 71A, 265
 Tryptophan levels, 73B, 301

- Tryptophan metabolism, 72A, 747
 TSH, 71A, 615
 Tuna heart ventricle, 71B, 71
Turbo cornutus, 72B, 695
 Turpentine, 73C, 195
 Turtle blood serum protein, 73A, 337
 Tyrosine, 71C, 131

Uca pugilator, 71C, 15
 Ultimobranchialectomy, 71A, 309
Upogebia pugettensis, 72B, 613
 Urea, 72A, 697
Urechis unicinctus, 72C, 281
 Urinary concentrating capacity, 71A, 17
 Urine, 71B, 461; 72A, 703
Uropyrus processae, 72B, 651
 Uropygial gland, 72B, 161

Varanus bengalensis, 72A, 377
 Vascular resistance, 73C, 45
Velella velella, 71B, 235, 237; 73B, 997
 Venous pressure, 73A, 201
 Vertebrate brain, 71C, 107
 Visceral muscle, 71A, 425
 Vitamin D, 72A, 43; 73B, 485
 Vitellogenesis, 72A, 149; 73B, 681
 Viviparous fish, 73A, 497
 Vole, 72A, 535

 Wallabies, 73A, 485
 Water, 71A, 477
 Water economy, 72A, 1
 Water loss, 71A, 605; 72A, 631
 Weight dependence, 73A, 291
 White bodies, 71B, 297

 Xenobiotics, 72C, 65
Xenopus laevis, 72C, 257; 73A, 431, 463, 469; 73B, 215

 Yeast, 71B, 95

Zacco temminckii, 73C, 51
 149, 403; 73A, 217; 73B, 971; 73C, 187, 357
 Zooplankton, 73B, 565

 Tryptophan-rich keratin, 71B, 623
Tubifex tubifex, 71C, 69; 73C, 187
 Tunicate lectins, 73B, 887
 Turkey, 71A, 145; 72A, 327
 Turtles, 71B, 173; 72A, 483, 615
 Tyramine, 71C, 249
 Tyrosine aminotransferase, 73B, 779

 UDP-glucuronyl transferase, 73B, 651
Undinula vulgaris, 72B, 409
 Urate synthesis, 72B, 565
 Urea synthesis, 71A, 293
 Urinary acidification in birds, 71A, 519
 Urinary proteins, 71B, 309
 Urine production, 71A, 407
Uromastix acanthinurus, 72A, 65
 Uteroglobin, 71B, 511

Varanus gouldii, 71B, 623
 Vasoactive agents, 71C, 7
 Venom, 71C, 149, 159, 177, 203; 73C, 79
 Ventilation, 73A, 57
Vespa orientalis, 71C, 203
 Vitamins, 73B, 43
 Vitamin D binding protein, 73B, 97
 Vitellogenin, 72B, 339, 345, 501
 Viviparous lizard, 71A, 107
 Volume regulatory processes, 71A, 157

 Wasps, 71C, 203
 Water deprivation, 73A, 297
 Water fluxes, 71A, 407; 72A, 497
 Water turnover, 72A, 301, 445
 Whelk, 71A, 439; 73C, 17
 Winter survival, 72B, 367; 73A, 519

Xenopus, 73B, 839

 Yolk proteins, 71B, 139

 Zinc, 71A, 71, 383; 71C, 69; 72C, 103, 145,
 Zoanthid, sterols, 72B, 677

AIMS AND SCOPE

The journal publishes papers that deal with the biochemistry and physiology of invertebrate and vertebrate animals. Where the material is relevant, papers on plant biochemistry or physiology are published provided that they throw light on the situation in animals. Clinical or applied aspects of the subject are not published. There are occasional review articles and book reviews. The short communications are intended for authors who wish to publish a short account of their work which they do not intend to amplify or publish more extensively at a later date. The journal is particularly concerned with publishing scientific work from all countries so that the readers will be kept aware of the work being done throughout the world.

THE ABSTRACT

The articles published in this journal contain an abstract that comes immediately after the title and the author's name, on the first page of the paper.

The abstract must be short, of 50-100 words, in numbered sentences and give factual and numerical data. It should present the essential idea and results of the paper. Every word should be important.

The abstract differs from the summary, which may appear at the end of the paper, in that the summary is written more for the information of other specialists in the subject. The abstract should be intelligible to workers in other fields, and taken together with the title of the paper, should indicate fully the scope and results of the work.

Most people read only the title and the abstract of published papers.

THESES

It is proposed to publish lists of these titles, authors and addresses, on topics appropriate to this journal. They should be in the form as shown below.

Thesis

VELLAS-CLOS, F. (1973) Recherches sur l'ureogénèse chez les téléostéens dulcicoles. 165 pages. Université Paul Sabatier de Toulouse, Toulouse, France. D.Sc. Thesis. Order Number 531.